# Environmental Product Declaration

In accordance with ISO 14025 for:

# Attends Pull-Ons




| | |
|---|---|
| **Programme:** | The International EPD® System<br>www.environdec.com |
| **Programme operator:** | EPD International AB |
| **EPD registration number:** | S-P-07466 |
| **Publication date:** | 2022-11-22 |
| **Valid until:** | 2027-11-22 |
| **Geographical scope:** | Europe |

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Attends ..... 3
Attends - a part of Attindas Hygiene Partners ..... 4
This environmental declaration covers the following products ..... 4
Environmental Product Declaration ..... 6
Environmental performance related information ..... 8
Attends Pull-Ons 4S ..... 9
Attends Pull-Ons 6S ..... 11
Attends Pull-Ons 8S ..... 13
Attends Pull-Ons 4M ..... 15
Attends Pull-Ons 6M ..... 17
Attends Pull-Ons 8M ..... 19
Attends Pull-Ons 10M ..... 21
Attends Pull-Ons 4L ..... 23
Attends Pull-Ons 6L ..... 25
Attends Pull-Ons 8L ..... 27
Attends Pull-Ons 10L ..... 29
Attends Pull-Ons 4XL ..... 31
Attends Pull-Ons 6XL ..... 33
Attends Pull-Ons 8XL ..... 35
Attends Pull-Ons 10XL ..... 37
Programme-related information and verification ..... 39
Differences compared to previous version ..... 40
References ..... 40



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends

Attends offers an extensive range of light, moderate and heavy disposable body worn and specialist incontinence products for care givers and consumers.

Significant factors in the continued progress of the company are a fully automated manufacturing facility, efficient customer service and logistics support, the strength of the Attends brand and the company's ability to tailor leading-edge absorbent technologies to improve the product offering to consumers and care givers. The Attends brand is represented in more than 20 countries in Europe, the Middle East and Australasia via local subsidiary companies or distributor partners.

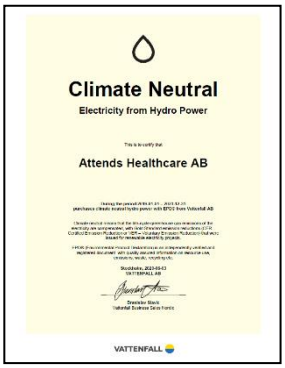
www.attends.se

All products included in this EPD are manufactured at Attends production plant in Aneby, Sweden. The plant is certified according to ISO 9001, 13485 and 14001. The plant is also certified according to FSC and PEFC chain of custody and as a climate neutral production site according to the GHG Protocol. The plant uses 100% hydropower with a guarantee of origin.




CERTIFIED LR ISO 14001

Climate neutral Site
ClimatePartner.com/15885-2109-1001



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# Attends - a part of Attindas Hygiene Partners

Attends is part of the Attindas Hygiene Partners group whose headquarters are in Raleigh, North Carolina, USA.

Attindas is a global leader focused on absorbent adult incontinence, baby care, and clinical hygiene solutions.

Attindas is in the business of improving the quality of life for millions of people worldwide every year through our differentiated assortment of adult incontinence products, baby diapers, and other clinical and hygiene offerings.

www.attindas.com



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# This environmental declaration covers the following products

| Product | Article | Weight (g) |
|---|---|---|
| **Attends Pull-Ons 4 Small** | 211748 | 52 |
| **Attends Pull-Ons 6 Small** | 211762 | 61 |
| **Attends Pull-Ons 8 Small** | 207338 | 80 |
| **Attends Pull-Ons 4 Medium** | 211786 | 55 |
| **Attends Pull-Ons 6 Medium** | 211809 | 64 |
| **Attends Pull-Ons 8 Medium** | 207406 | 83 |
| **Attends Pull-Ons 10 Medium** | 208410 | 93 |
| **Attends Pull-Ons 4 Large** | 211823 | 58 |
| **Attends Pull-Ons 6 Large** | 211847 | 67 |
| **Attends Pull-Ons 8 Large** | 207468 | 85 |
| **Attends Pull-Ons 10 Large** | 208434 | 95 |
| **Attends Pull-Ons 4 XL** | 211861 | 61 |
| **Attends Pull-Ons 6 XL** | 211885 | 70 |
| **Attends Pull-Ons 8 XL** | 204351 | 88 |
| **Attends Pull-Ons 10 XL** | 209417 | 98 |



**Attends Pull-Ons** is a range of all-in-one absorbent pants that can be pulled up and down like normal underwear and are designed to manage moderate to heavy incontinence.

All products in this EPD are approved according to the Nordic Swan Ecolabel and OEKO-TEX Standard 100, class 1 baby.

NORDIC SWAN ECOLABEL

3023 0086



Attends

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# Environmental Product Declaration

The LCA study will calculate the environmental performance of four sizes of Attends Pull-0ns, Small, Medium, Large and Extra-large and four absorption levels, 4, 6, 8 and 10.

The product is made of textile back sheet material (polyethylene, calcium carbonate and polypropylene), nonwoven (polypropylene), cellulose pulp, superabsorbent polymer, polyester, hotmelt adhesive and elastics of Spandex. Alcohol based ink is used for LOT-coding.

The packaging for the finished product consists of distribution packaging made of corrugated cardboard and a polyethylene bag used as consumer packaging. The cardboard box contains minimum 54% of recycled fibers. Attends does not have direct control of the production of the consumer packaging

The materials used for the products and packaging comply with the Regulation (EC) No 1907/2006 of the European parliament and of the council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and the Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures

The finished product weight ranges between 52 and 98 g depending on the size and absorbency level where the size Small in absorption level 4 is the lightest and size Extra Large in absorbency level 10 is the heaviest.

The amount of raw material depends on the size and the absorption level. The absorbent material is the same regardless of size, but the amount depends on the absorbency.

| | |
|---|---|
| **Cellulose** | 47-55 % |
| **Polymers** | 17-32% |
| **Plastics** | 17-36% |



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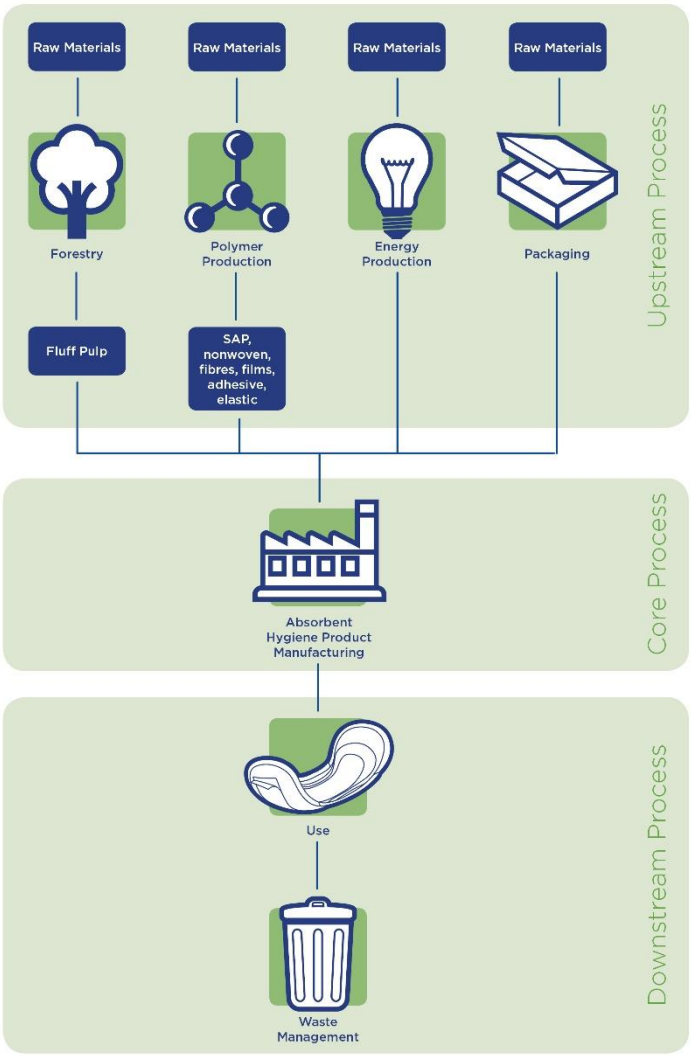


*The figure shows a system diagram illustrating the main processes and the division into Upstream, Core and Downstream processes.*

The life cycle is divided into three different life cycle stages:

- **Upstream processes** (from cradle-to-gate). This includes extraction of natural resources for the different raw materials as well as fuel production for both heat and power generation.
- **Core processes** (from gate-to-gate). This phase includes transport of input materials and the manufacturing of the Attends Pull-Ons in Aneby, Sweden and includes energy, heat and other consumables as well as handling of production waste.
- **Downstream processes** (from gate-to-grave). This phase includes transport to the end user and disposal of the product. The usage phase has no environmental impact.

After the completeness check all materials and processes are found to be included and represented in a full life cycle Cradle to Grave perspective.



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# Environmental performance related information

| | |
|---|---|
| **Functional Unit** | The functional unit is one product. Data is also reported for one day of absorbent product use which is 4 products. |
| **Product group classification** | UN CPC 32193 |
| **Geographical area** | Products sold in Europe |
| **List of materials** | In order to keep a level of confidentiality regarding the product composition the raw materials have been combined into three categories. For the calculations each products specification has been used. |
| **Compliant with** | This EPD follow the Book-keeping LCA approach which is defined as attributional LCA in the ISO 14040 standard.<br><br>This EPD follow the PCR 2011:14 v. 3.02 Absorbent Hygiene Products.<br><br>This PCR complies with the General Programme Instruction of the International EPD® System, version 3.01. |
| **Cut-Off rules** | For this LCA study a 1 % cut off rule was applied. |
| **Reference year for data** | Core process data from 2021. Data for pulp from 2018, SAP 2019. Other raw materials from 2016-2021. Article specifications from 2022. Generic data from ecoinvent 3.8. |
| **Background data** | All generic data comes from Ecoinvent 3.8 except one dataset from Industry data 2.0. |
| **Waste management scenario** | The waste management allocation is based on Eurostat statistics from 2020 calculated with specific data from the 7 countries where Attends has most sales and an EU average used for the remaining countries. The result is 15 % to landfill and 85 % for incineration.<br>According to the PCR the environmental impacts of incineration process with energy recovery shall be attributed 50% to the product and 50% to the energy recovery process. Benefits and credits of energy recovery are attributed 100% to energy recovery (outside system boundary). |
| **PCR** | PCR 2011 :14 Absorbent Hygiene Products (3.0.2) |
| **Allocations** | Polluter Pays / Allocation by Classification |
| **Impact assessment methods** | Total use of renewable and non-renewable resources was calculated with Cumulative Energy Demand 1.11 method.<br>Emission of greenhouse gases was calculated using the IPCC 2021 GWP method with a 100-year horizon. |
| **Software** | Simapro 9.3 |



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# Attends Pull-Ons 4S

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.118 | 0.070 | 0.009 | 0.039 |
| | Biogenic | kg $CO_2$ eq. | 0.002 | 0.001 | 0.000 | 0.001 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.120 | 0.071 | 0.010 | 0.040 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 4.11E-04 | 2.88E-04 | 6.93E-05 | 5.35E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 1.37E-04 | 9.26E-05 | 1.07E-05 | 3.38E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 4.55E-04 | 3.16E-04 | 6.56E-05 | 7.32E-05 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 3.01E-07 | 2.42E-07 | 2.30E-08 | 3.59E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 2.08E+00 | 1.81E+00 | 9.97E-02 | 1.73E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 9.35E-02 | 9.16E-02 | 1.22E-03 | 6.42E-04 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 6.98E-01 | 6.34E-01 | 5.63E-02 | 6.80E-03 |
| | Used as raw materials | MJ, net calorific value | 6.78E-01 | 6.78E-01 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.38E+00 | 1.31E+00 | 5.63E-02 | 6.80E-03 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 1.46E+00 | 1.16E+00 | 1.09E-01 | 1.89E-01 |
| | Used as raw materials | MJ, net calorific value | 9.62E-01 | 9.62E-01 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 2.42E+00 | 2.13E+00 | 1.09E-01 | 1.89E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 2.74E-03 | 2.59E-03 | 7.88E-05 | 6.51E-05 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 3.11E-04 | 3.11E-04 | 1.54E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 5.73E-03 | 4.05E-03 | 1.68E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 2.93E-09 | 0.00E+00 | 2.93E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 5.11E-03 | 0.00E+00 | 5.11E-03 | 0.00E+00 |
| Materials for energy recovery | kg | 2.47E-02 | 0.00E+00 | 0.00E+00 | 2.47E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



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# Attends Pull-Ons 4S

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.472 | 0.279 | 0.037 | 0.156 |
| | Biogenic | kg $CO_2$ eq. | 0.006 | 0.002 | 0.000 | 0.004 |
| | Land use and land use change | kg $CO_2$ eq. | 0.003 | 0.002 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.482 | 0.283 | 0.038 | 0.160 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 1.64E-03 | 1.15E-03 | 2.77E-04 | 2.14E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 5.48E-04 | 3.70E-04 | 4.29E-05 | 1.35E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 1.82E-03 | 1.27E-03 | 2.62E-04 | 2.93E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.20E-06 | 9.67E-07 | 9.19E-08 | 1.44E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 8.31E+00 | 7.22E+00 | 3.99E-01 | 6.92E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 3.74E-01 | 3.67E-01 | 4.87E-03 | 2.57E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 2.79E+00 | 2.54E+00 | 2.25E-01 | 2.72E-02 |
| | Used as raw materials | MJ, net calorific value | 2.71E+00 | 2.71E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 5.50E+00 | 5.25E+00 | 2.25E-01 | 2.72E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 5.85E+00 | 4.66E+00 | 4.34E-01 | 7.57E-01 |
| | Used as raw materials | MJ, net calorific value | 3.85E+00 | 3.85E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 9.70E+00 | 8.51E+00 | 4.34E-01 | 7.57E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.09E-02 | 1.04E-02 | 3.15E-04 | 2.61E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 1.24E-03 | 1.24E-03 | 6.17E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 2.29E-02 | 1.62E-02 | 6.70E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.17E-08 | 0.00E+00 | 1.17E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 2.04E-02 | 0.00E+00 | 2.04E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 9.87E-02 | 0.00E+00 | 0.00E+00 | 9.87E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



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# Attends Pull-Ons 6S

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.141 | 0.083 | 0.011 | 0.047 |
| | Biogenic | kg $CO_2$ eq. | 0.002 | 0.001 | 0.000 | 0.001 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.144 | 0.084 | 0.011 | 0.048 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 4.87E-04 | 3.25E-04 | 9.93E-05 | 6.28E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 1.58E-04 | 1.04E-04 | 1.40E-05 | 4.00E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 5.50E-04 | 3.73E-04 | 9.11E-05 | 8.59E-05 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 3.32E-07 | 2.64E-07 | 2.64E-08 | 4.22E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 2.44E+00 | 2.11E+00 | 1.21E-01 | 2.04E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 1.05E-01 | 1.03E-01 | 1.27E-03 | 7.48E-04 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 7.71E-01 | 7.06E-01 | 5.65E-02 | 7.99E-03 |
| | Used as raw materials | MJ, net calorific value | 7.79E-01 | 7.79E-01 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.55E+00 | 1.49E+00 | 5.65E-02 | 7.99E-03 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 1.70E+00 | 1.35E+00 | 1.32E-01 | 2.23E-01 |
| | Used as raw materials | MJ, net calorific value | 1.17E+00 | 1.17E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 2.87E+00 | 2.52E+00 | 1.32E-01 | 2.23E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 3.13E-03 | 2.97E-03 | 8.15E-05 | 7.57E-05 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 5.06E-04 | 5.06E-04 | 1.54E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 8.26E-03 | 6.58E-03 | 1.68E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 2.93E-09 | 0.00E+00 | 2.93E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 5.49E-03 | 0.00E+00 | 5.49E-03 | 0.00E+00 |
| Materials for energy recovery | kg | 2.90E-02 | 0.00E+00 | 0.00E+00 | 2.90E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



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# Attends Pull-Ons 6S

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.564 | 0.332 | 0.044 | 0.188 |
| | Biogenic | kg $CO_2$ eq. | 0.008 | 0.002 | 0.000 | 0.005 |
| | Land use and land use change | kg $CO_2$ eq. | 0.003 | 0.002 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.574 | 0.337 | 0.044 | 0.193 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 1.95E-03 | 1.30E-03 | 3.97E-04 | 2.51E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 6.32E-04 | 4.15E-04 | 5.61E-05 | 1.60E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 2.20E-03 | 1.49E-03 | 3.65E-04 | 3.44E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.33E-06 | 1.05E-06 | 1.06E-07 | 1.69E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 9.75E+00 | 8.45E+00 | 4.86E-01 | 8.14E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 4.19E-01 | 4.11E-01 | 5.07E-03 | 2.99E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 3.08E+00 | 2.83E+00 | 2.26E-01 | 3.20E-02 |
| | Used as raw materials | MJ, net calorific value | 3.12E+00 | 3.12E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 6.20E+00 | 5.94E+00 | 2.26E-01 | 3.20E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 6.82E+00 | 5.40E+00 | 5.28E-01 | 8.90E-01 |
| | Used as raw materials | MJ, net calorific value | 4.67E+00 | 4.67E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.15E+01 | 1.01E+01 | 5.28E-01 | 8.90E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.25E-02 | 1.19E-02 | 3.26E-04 | 3.03E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 2.02E-03 | 2.02E-03 | 6.17E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 3.30E-02 | 2.63E-02 | 6.70E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.17E-08 | 0.00E+00 | 1.17E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 2.19E-02 | 0.00E+00 | 2.19E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 1.16E-01 | 0.00E+00 | 0.00E+00 | 1.16E-01 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



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# Attends Pull-Ons 8S

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.178 | 0.105 | 0.014 | 0.060 |
| | Biogenic | kg $CO_2$ eq. | 0.002 | 0.001 | 0.000 | 0.001 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.181 | 0.106 | 0.014 | 0.062 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 6.18E-04 | 3.89E-04 | 1.48E-04 | 8.05E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 1.94E-04 | 1.24E-04 | 1.95E-05 | 5.04E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 7.13E-04 | 4.70E-04 | 1.33E-04 | 1.10E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 3.92E-07 | 3.05E-07 | 3.29E-08 | 5.42E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 3.03E+00 | 2.60E+00 | 1.60E-01 | 2.62E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 1.29E-01 | 1.27E-01 | 1.36E-03 | 9.54E-04 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 9.85E-01 | 9.18E-01 | 5.69E-02 | 1.03E-02 |
| | Used as raw materials | MJ, net calorific value | 1.00E+00 | 1.00E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.99E+00 | 1.92E+00 | 5.69E-02 | 1.03E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 2.11E+00 | 1.65E+00 | 1.74E-01 | 2.86E-01 |
| | Used as raw materials | MJ, net calorific value | 1.50E+00 | 1.50E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 3.60E+00 | 3.15E+00 | 1.74E-01 | 2.86E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 4.03E-03 | 3.84E-03 | 8.65E-05 | 9.70E-05 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 8.21E-04 | 8.21E-04 | 1.54E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 1.24E-02 | 1.07E-02 | 1.68E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 2.93E-09 | 0.00E+00 | 2.93E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 2.51E-02 | 0.00E+00 | 2.51E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 1.49E-01 | 0.00E+00 | 0.00E+00 | 1.49E-01 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 8S

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.714 | 0.419 | 0.055 | 0.240 |
| | Biogenic | kg $CO_2$ eq. | 0.009 | 0.003 | 0.000 | 0.006 |
| | Land use and land use change | kg $CO_2$ eq. | 0.003 | 0.002 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.726 | 0.424 | 0.056 | 0.246 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 2.47E-03 | 1.56E-03 | 5.94E-04 | 3.22E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 7.75E-04 | 4.95E-04 | 7.80E-05 | 2.02E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 2.85E-03 | 1.88E-03 | 5.31E-04 | 4.41E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.57E-06 | 1.22E-06 | 1.32E-07 | 2.17E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 1.21E+01 | 1.04E+01 | 6.40E-01 | 1.05E+00 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 5.18E-01 | 5.09E-01 | 5.44E-03 | 3.82E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 3.94E+00 | 3.67E+00 | 2.28E-01 | 4.11E-02 |
| | Used as raw materials | MJ, net calorific value | 4.02E+00 | 4.02E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 7.96E+00 | 7.69E+00 | 2.28E-01 | 4.11E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 8.43E+00 | 6.59E+00 | 6.94E-01 | 1.14E+00 |
| | Used as raw materials | MJ, net calorific value | 5.99E+00 | 5.99E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.44E+01 | 1.26E+01 | 6.94E-01 | 1.14E+00 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.61E-02 | 1.54E-02 | 3.46E-04 | 3.88E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 3.28E-03 | 3.28E-03 | 6.17E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 4.94E-02 | 4.27E-02 | 6.70E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.17E-08 | 0.00E+00 | 1.17E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 6.27E-03 | 0.00E+00 | 6.27E-03 | 0.00E+00 |
| Materials for energy recovery | kg | 3.73E-02 | 0.00E+00 | 0.00E+00 | 3.73E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 4M

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.130 | 0.077 | 0.009 | 0.043 |
| | Biogenic | kg $CO_2$ eq. | 0.002 | 0.001 | 0.000 | 0.001 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.132 | 0.079 | 0.010 | 0.044 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 4.44E-04 | 3.18E-04 | 7.04E-05 | 5.64E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 1.48E-04 | 1.01E-04 | 1.08E-05 | 3.70E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 4.89E-04 | 3.45E-04 | 6.65E-05 | 7.72E-05 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 3.13E-07 | 2.53E-07 | 2.29E-08 | 3.77E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 2.34E+00 | 2.06E+00 | 9.96E-02 | 1.82E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 1.00E-01 | 9.82E-02 | 1.22E-03 | 6.74E-04 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 7.17E-01 | 6.53E-01 | 5.63E-02 | 7.15E-03 |
| | Used as raw materials | MJ, net calorific value | 6.78E-01 | 6.78E-01 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.39E+00 | 1.33E+00 | 5.63E-02 | 7.15E-03 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 1.64E+00 | 1.33E+00 | 1.09E-01 | 1.99E-01 |
| | Used as raw materials | MJ, net calorific value | 1.08E+00 | 1.08E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 2.72E+00 | 2.41E+00 | 1.09E-01 | 1.99E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 2.80E-03 | 2.65E-03 | 7.87E-05 | 6.79E-05 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 3.11E-04 | 3.11E-04 | 1.54E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 5.73E-03 | 4.05E-03 | 1.68E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 2.93E-09 | 0.00E+00 | 2.93E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 5.23E-03 | 0.00E+00 | 5.23E-03 | 0.00E+00 |
| Materials for energy recovery | kg | 2.60E-02 | 0.00E+00 | 0.00E+00 | 2.60E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 4M

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.520 | 0.309 | 0.037 | 0.173 |
| | Biogenic | kg $CO_2$ eq. | 0.007 | 0.002 | 0.000 | 0.004 |
| | Land use and land use change | kg $CO_2$ eq. | 0.003 | 0.003 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.530 | 0.314 | 0.038 | 0.177 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 1.78E-03 | 1.27E-03 | 2.82E-04 | 2.26E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 5.93E-04 | 4.02E-04 | 4.33E-05 | 1.48E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 1.96E-03 | 1.38E-03 | 2.66E-04 | 3.09E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.25E-06 | 1.01E-06 | 9.16E-08 | 1.51E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 9.37E+00 | 8.24E+00 | 3.99E-01 | 7.29E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 4.01E-01 | 3.93E-01 | 4.86E-03 | 2.70E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 2.87E+00 | 2.61E+00 | 2.25E-01 | 2.86E-02 |
| | Used as raw materials | MJ, net calorific value | 2.71E+00 | 2.71E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 5.58E+00 | 5.32E+00 | 2.25E-01 | 2.86E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 6.55E+00 | 5.31E+00 | 4.34E-01 | 7.97E-01 |
| | Used as raw materials | MJ, net calorific value | 4.33E+00 | 4.33E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.09E+01 | 9.64E+00 | 4.34E-01 | 7.97E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.12E-02 | 1.06E-02 | 3.15E-04 | 2.72E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 1.24E-03 | 1.24E-03 | 6.17E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 2.29E-02 | 1.62E-02 | 6.70E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.17E-08 | 0.00E+00 | 1.17E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 2.09E-02 | 0.00E+00 | 2.09E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 1.04E-01 | 0.00E+00 | 0.00E+00 | 1.04E-01 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 6M

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.153 | 0.091 | 0.011 | 0.051 |
| | Biogenic | kg $CO_2$ eq. | 0.002 | 0.001 | 0.000 | 0.001 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.156 | 0.092 | 0.011 | 0.052 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 5.20E-04 | 3.54E-04 | 1.00E-04 | 6.57E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 1.69E-04 | 1.12E-04 | 1.41E-05 | 4.32E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 5.83E-04 | 4.02E-04 | 9.21E-05 | 8.99E-05 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 3.45E-07 | 2.74E-07 | 2.64E-08 | 4.40E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 2.70E+00 | 2.37E+00 | 1.21E-01 | 2.13E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 1.11E-01 | 1.09E-01 | 1.27E-03 | 7.81E-04 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 7.90E-01 | 7.25E-01 | 5.65E-02 | 8.34E-03 |
| | Used as raw materials | MJ, net calorific value | 7.79E-01 | 7.79E-01 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.57E+00 | 1.50E+00 | 5.65E-02 | 8.34E-03 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 1.88E+00 | 1.51E+00 | 1.32E-01 | 2.33E-01 |
| | Used as raw materials | MJ, net calorific value | 1.29E+00 | 1.29E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 3.17E+00 | 2.80E+00 | 1.32E-01 | 2.33E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 3.19E-03 | 3.03E-03 | 8.14E-05 | 7.85E-05 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 5.06E-04 | 5.06E-04 | 1.54E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 8.26E-03 | 6.58E-03 | 1.68E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 2.93E-09 | 0.00E+00 | 2.93E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 5.90E-03 | 0.00E+00 | 5.90E-03 | 0.00E+00 |
| Materials for energy recovery | kg | 2.74E-02 | 0.00E+00 | 0.00E+00 | 2.74E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 6M

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.611 | 0.363 | 0.044 | 0.204 |
| | Biogenic | kg $CO_2$ eq. | 0.008 | 0.003 | 0.000 | 0.005 |
| | Land use and land use change | kg $CO_2$ eq. | 0.004 | 0.003 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.622 | 0.368 | 0.044 | 0.210 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 2.08E-03 | 1.42E-03 | 4.02E-04 | 2.63E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 6.77E-04 | 4.47E-04 | 5.66E-05 | 1.73E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 2.33E-03 | 1.61E-03 | 3.68E-04 | 3.60E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.38E-06 | 1.10E-06 | 1.05E-07 | 1.76E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 1.08E+01 | 9.47E+00 | 4.86E-01 | 8.50E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 4.45E-01 | 4.37E-01 | 5.07E-03 | 3.12E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 3.16E+00 | 2.90E+00 | 2.26E-01 | 3.34E-02 |
| | Used as raw materials | MJ, net calorific value | 3.12E+00 | 3.12E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 6.28E+00 | 6.02E+00 | 2.26E-01 | 3.34E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 7.51E+00 | 6.06E+00 | 5.28E-01 | 9.30E-01 |
| | Used as raw materials | MJ, net calorific value | 5.16E+00 | 5.16E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.27E+01 | 1.12E+01 | 5.28E-01 | 9.30E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.28E-02 | 1.21E-02 | 3.26E-04 | 3.14E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 2.02E-03 | 2.02E-03 | 6.17E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 3.30E-02 | 2.63E-02 | 6.70E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.17E-08 | 0.00E+00 | 1.17E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 2.36E-02 | 0.00E+00 | 2.36E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 1.10E-01 | 0.00E+00 | 0.00E+00 | 1.10E-01 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 8M

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.190 | 0.112 | 0.014 | 0.064 |
| | Biogenic | kg $CO_2$ eq. | 0.002 | 0.001 | 0.000 | 0.001 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.193 | 0.114 | 0.014 | 0.066 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 6.51E-04 | 4.18E-04 | 1.49E-04 | 8.34E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 2.05E-04 | 1.32E-04 | 1.96E-05 | 5.36E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 7.47E-04 | 4.99E-04 | 1.34E-04 | 1.14E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 4.05E-07 | 3.16E-07 | 3.26E-08 | 5.61E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 3.29E+00 | 2.86E+00 | 1.59E-01 | 2.71E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 1.36E-01 | 1.34E-01 | 1.36E-03 | 9.87E-04 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 1.00E+00 | 9.36E-01 | 5.69E-02 | 1.06E-02 |
| | Used as raw materials | MJ, net calorific value | 1.00E+00 | 1.00E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 2.01E+00 | 1.94E+00 | 5.69E-02 | 1.06E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 2.28E+00 | 1.81E+00 | 1.73E-01 | 2.96E-01 |
| | Used as raw materials | MJ, net calorific value | 1.62E+00 | 1.62E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 3.90E+00 | 3.43E+00 | 1.73E-01 | 2.96E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 4.09E-03 | 3.90E-03 | 8.63E-05 | 9.98E-05 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 8.21E-04 | 8.21E-04 | 1.54E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 1.24E-02 | 1.07E-02 | 1.68E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 2.93E-09 | 0.00E+00 | 2.93E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 6.39E-03 | 0.00E+00 | 6.39E-03 | 0.00E+00 |
| Materials for energy recovery | kg | 3.86E-02 | 0.00E+00 | 0.00E+00 | 3.86E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 8M

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.761 | 0.449 | 0.055 | 0.257 |
| | Biogenic | kg $CO_2$ eq. | 0.009 | 0.003 | 0.000 | 0.006 |
| | Land use and land use change | kg $CO_2$ eq. | 0.004 | 0.003 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.773 | 0.455 | 0.056 | 0.263 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 2.61E-03 | 1.67E-03 | 5.98E-04 | 3.34E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 8.19E-04 | 5.27E-04 | 7.83E-05 | 2.14E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 2.99E-03 | 2.00E-03 | 5.34E-04 | 4.57E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.62E-06 | 1.26E-06 | 1.31E-07 | 2.24E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 1.32E+01 | 1.14E+01 | 6.37E-01 | 1.08E+00 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 5.44E-01 | 5.35E-01 | 5.43E-03 | 3.95E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 4.02E+00 | 3.75E+00 | 2.28E-01 | 4.25E-02 |
| | Used as raw materials | MJ, net calorific value | 4.02E+00 | 4.02E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 8.03E+00 | 7.76E+00 | 2.28E-01 | 4.25E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 9.13E+00 | 7.25E+00 | 6.91E-01 | 1.18E+00 |
| | Used as raw materials | MJ, net calorific value | 6.47E+00 | 6.47E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.56E+01 | 1.37E+01 | 6.91E-01 | 1.18E+00 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.63E-02 | 1.56E-02 | 3.45E-04 | 3.99E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 2.07E-03 | 2.07E-03 | 6.95E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 3.44E-02 | 2.69E-02 | 7.55E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.32E-08 | 0.00E+00 | 1.32E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 2.56E-02 | 0.00E+00 | 2.56E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 1.54E-01 | 0.00E+00 | 0.00E+00 | 1.54E-01 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 10M

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.224 | 0.130 | 0.016 | 0.078 |
| | Biogenic | kg $CO_2$ eq. | 0.003 | 0.001 | 0.000 | 0.002 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.227 | 0.132 | 0.016 | 0.079 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 7.46E-04 | 4.58E-04 | 1.93E-04 | 9.42E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 2.29E-04 | 1.42E-04 | 2.43E-05 | 6.28E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 8.69E-04 | 5.70E-04 | 1.71E-04 | 1.29E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 4.31E-07 | 3.32E-07 | 3.64E-08 | 6.31E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 3.78E+00 | 3.29E+00 | 1.86E-01 | 3.04E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 1.46E-01 | 1.43E-01 | 1.41E-03 | 1.11E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 1.05E+00 | 9.76E-01 | 5.71E-02 | 1.19E-02 |
| | Used as raw materials | MJ, net calorific value | 1.07E+00 | 1.07E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 2.12E+00 | 2.05E+00 | 5.71E-02 | 1.19E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 2.59E+00 | 2.06E+00 | 2.01E-01 | 3.33E-01 |
| | Used as raw materials | MJ, net calorific value | 1.92E+00 | 1.92E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 4.51E+00 | 3.98E+00 | 2.01E-01 | 3.33E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 4.40E-03 | 4.20E-03 | 8.94E-05 | 1.13E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 1.11E-03 | 1.11E-03 | 1.54E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 1.62E-02 | 1.45E-02 | 1.68E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 2.93E-09 | 0.00E+00 | 2.93E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 6.81E-03 | 0.00E+00 | 6.81E-03 | 0.00E+00 |
| Materials for energy recovery | kg | 4.33E-02 | 0.00E+00 | 0.00E+00 | 4.33E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 10M

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.895 | 0.522 | 0.063 | 0.310 |
| | Biogenic | kg $CO_2$ eq. | 0.010 | 0.003 | 0.000 | 0.007 |
| | Land use and land use change | kg $CO_2$ eq. | 0.004 | 0.003 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.908 | 0.528 | 0.064 | 0.317 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 2.98E-03 | 1.83E-03 | 7.74E-04 | 3.77E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 9.18E-04 | 5.69E-04 | 9.73E-05 | 2.51E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 3.48E-03 | 2.28E-03 | 6.83E-04 | 5.16E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.73E-06 | 1.33E-06 | 1.46E-07 | 2.52E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 1.51E+01 | 1.32E+01 | 7.44E-01 | 1.22E+00 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 5.83E-01 | 5.72E-01 | 5.65E-03 | 4.45E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 4.18E+00 | 3.90E+00 | 2.28E-01 | 4.78E-02 |
| | Used as raw materials | MJ, net calorific value | 4.29E+00 | 4.29E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 8.47E+00 | 8.20E+00 | 2.28E-01 | 4.78E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 1.04E+01 | 8.23E+00 | 8.05E-01 | 1.33E+00 |
| | Used as raw materials | MJ, net calorific value | 7.69E+00 | 7.69E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.81E+01 | 1.59E+01 | 8.05E-01 | 1.33E+00 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.76E-02 | 1.68E-02 | 3.58E-04 | 4.51E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 4.45E-03 | 4.45E-03 | 6.17E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 6.47E-02 | 5.79E-02 | 6.70E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.17E-08 | 0.00E+00 | 1.17E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 2.73E-02 | 0.00E+00 | 2.73E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 1.73E-01 | 0.00E+00 | 0.00E+00 | 1.73E-01 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 4L

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.144 | 0.086 | 0.010 | 0.048 |
| | Biogenic | kg $CO_2$ eq. | 0.002 | 0.001 | 0.000 | 0.001 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.146 | 0.088 | 0.010 | 0.049 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 4.85E-04 | 3.52E-04 | 7.38E-05 | 5.90E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 1.62E-04 | 1.10E-04 | 1.15E-05 | 4.04E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 5.29E-04 | 3.78E-04 | 7.00E-05 | 8.08E-05 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 3.31E-07 | 2.68E-07 | 2.40E-08 | 3.93E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 2.63E+00 | 2.33E+00 | 1.04E-01 | 1.90E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 1.08E-01 | 1.06E-01 | 1.37E-03 | 7.01E-04 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 7.43E-01 | 6.73E-01 | 6.30E-02 | 7.45E-03 |
| | Used as raw materials | MJ, net calorific value | 6.78E-01 | 6.78E-01 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.42E+00 | 1.35E+00 | 6.30E-02 | 7.45E-03 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 1.86E+00 | 1.54E+00 | 1.13E-01 | 2.08E-01 |
| | Used as raw materials | MJ, net calorific value | 1.18E+00 | 1.18E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 3.04E+00 | 2.72E+00 | 1.13E-01 | 2.08E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 2.88E-03 | 2.72E-03 | 8.79E-05 | 7.06E-05 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 3.11E-04 | 3.11E-04 | 1.74E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 5.94E-03 | 4.05E-03 | 1.89E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 3.30E-09 | 0.00E+00 | 3.30E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 5.34E-03 | 0.00E+00 | 5.34E-03 | 0.00E+00 |
| Materials for energy recovery | kg | 2.70E-02 | 0.00E+00 | 0.00E+00 | 2.70E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 4L

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.575 | 0.345 | 0.039 | 0.191 |
| | Biogenic | kg $CO_2$ eq. | 0.007 | 0.002 | 0.000 | 0.004 |
| | Land use and land use change | kg $CO_2$ eq. | 0.004 | 0.003 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.586 | 0.350 | 0.040 | 0.195 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 1.94E-03 | 1.41E-03 | 2.95E-04 | 2.36E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 6.49E-04 | 4.42E-04 | 4.60E-05 | 1.62E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 2.12E-03 | 1.51E-03 | 2.80E-04 | 3.23E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.33E-06 | 1.07E-06 | 9.62E-08 | 1.57E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 1.05E+01 | 9.34E+00 | 4.15E-01 | 7.60E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 4.31E-01 | 4.23E-01 | 5.48E-03 | 2.80E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 2.97E+00 | 2.69E+00 | 2.52E-01 | 2.98E-02 |
| | Used as raw materials | MJ, net calorific value | 2.71E+00 | 2.71E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 5.68E+00 | 5.40E+00 | 2.52E-01 | 2.98E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 7.43E+00 | 6.15E+00 | 4.53E-01 | 8.31E-01 |
| | Used as raw materials | MJ, net calorific value | 4.73E+00 | 4.73E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.22E+01 | 1.09E+01 | 4.53E-01 | 8.31E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.15E-02 | 1.09E-02 | 3.52E-04 | 2.82E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 1.24E-03 | 1.24E-03 | 6.95E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 2.38E-02 | 1.62E-02 | 7.55E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.32E-08 | 0.00E+00 | 1.32E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 2.14E-02 | 0.00E+00 | 2.14E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 1.08E-01 | 0.00E+00 | 0.00E+00 | 1.08E-01 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 6L

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.168 | 0.102 | 0.011 | 0.055 |
| | Biogenic | kg $CO_2$ eq. | 0.002 | 0.001 | 0.000 | 0.001 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.171 | 0.103 | 0.012 | 0.057 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 5.70E-04 | 3.97E-04 | 1.05E-04 | 6.81E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 1.86E-04 | 1.24E-04 | 1.49E-05 | 4.65E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 6.34E-04 | 4.44E-04 | 9.69E-05 | 9.33E-05 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 3.68E-07 | 2.96E-07 | 2.70E-08 | 4.55E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 3.04E+00 | 2.70E+00 | 1.25E-01 | 2.20E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 1.21E-01 | 1.19E-01 | 1.42E-03 | 8.05E-04 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 8.50E-01 | 7.78E-01 | 6.32E-02 | 8.62E-03 |
| | Used as raw materials | MJ, net calorific value | 7.78E-01 | 7.78E-01 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.63E+00 | 1.56E+00 | 6.32E-02 | 8.62E-03 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 2.17E+00 | 1.80E+00 | 1.36E-01 | 2.40E-01 |
| | Used as raw materials | MJ, net calorific value | 1.38E+00 | 1.38E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 3.55E+00 | 3.18E+00 | 1.36E-01 | 2.40E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 3.34E-03 | 3.17E-03 | 9.06E-05 | 8.10E-05 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 5.17E-04 | 5.16E-04 | 1.74E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 8.61E-03 | 6.72E-03 | 1.89E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 3.30E-09 | 0.00E+00 | 3.30E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 8.02E-03 | 0.00E+00 | 8.02E-03 | 0.00E+00 |
| Materials for energy recovery | kg | 3.13E-02 | 0.00E+00 | 0.00E+00 | 3.13E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 6L

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.674 | 0.407 | 0.046 | 0.221 |
| | Biogenic | kg $CO_2$ eq. | 0.008 | 0.003 | 0.000 | 0.005 |
| | Land use and land use change | kg $CO_2$ eq. | 0.004 | 0.003 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.686 | 0.413 | 0.047 | 0.227 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 2.28E-03 | 1.59E-03 | 4.22E-04 | 2.73E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 7.43E-04 | 4.97E-04 | 5.98E-05 | 1.86E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 2.54E-03 | 1.77E-03 | 3.88E-04 | 3.73E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.47E-06 | 1.18E-06 | 1.08E-07 | 1.82E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 1.22E+01 | 1.08E+01 | 5.00E-01 | 8.79E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 4.86E-01 | 4.77E-01 | 5.67E-03 | 3.22E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 3.40E+00 | 3.11E+00 | 2.53E-01 | 3.45E-02 |
| | Used as raw materials | MJ, net calorific value | 3.11E+00 | 3.11E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 6.51E+00 | 6.22E+00 | 2.53E-01 | 3.45E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 8.69E+00 | 7.19E+00 | 5.44E-01 | 9.61E-01 |
| | Used as raw materials | MJ, net calorific value | 5.53E+00 | 5.53E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.42E+01 | 1.27E+01 | 5.44E-01 | 9.61E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.34E-02 | 1.27E-02 | 3.63E-04 | 3.24E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 2.07E-03 | 2.07E-03 | 6.95E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 3.44E-02 | 2.69E-02 | 7.55E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.32E-08 | 0.00E+00 | 1.32E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 3.21E-02 | 0.00E+00 | 3.21E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 1.25E-01 | 0.00E+00 | 0.00E+00 | 1.25E-01 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 8L

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.206 | 0.123 | 0.014 | 0.068 |
| | Biogenic | kg $CO_2$ eq. | 0.002 | 0.001 | 0.000 | 0.001 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.209 | 0.125 | 0.014 | 0.070 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 6.99E-04 | 4.59E-04 | 1.54E-04 | 8.56E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 2.20E-04 | 1.43E-04 | 2.03E-05 | 5.67E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 7.95E-04 | 5.40E-04 | 1.38E-04 | 1.17E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 4.25E-07 | 3.35E-07 | 3.26E-08 | 5.74E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 3.63E+00 | 3.19E+00 | 1.61E-01 | 2.77E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 1.45E-01 | 1.42E-01 | 1.50E-03 | 1.01E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 1.03E+00 | 9.55E-01 | 6.36E-02 | 1.09E-02 |
| | Used as raw materials | MJ, net calorific value | 1.00E+00 | 1.00E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 2.03E+00 | 1.96E+00 | 6.36E-02 | 1.09E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 2.58E+00 | 2.10E+00 | 1.75E-01 | 3.03E-01 |
| | Used as raw materials | MJ, net calorific value | 1.71E+00 | 1.71E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 4.29E+00 | 3.81E+00 | 1.75E-01 | 3.03E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 4.18E-03 | 3.98E-03 | 9.53E-05 | 1.01E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 8.36E-04 | 8.36E-04 | 1.74E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 1.28E-02 | 1.09E-02 | 1.89E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 3.30E-09 | 0.00E+00 | 3.30E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 9.21E-03 | 0.00E+00 | 9.21E-03 | 0.00E+00 |
| Materials for energy recovery | kg | 3.95E-02 | 0.00E+00 | 0.00E+00 | 3.95E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 8L

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.823 | 0.493 | 0.056 | 0.274 |
| | Biogenic | kg $CO_2$ eq. | 0.009 | 0.003 | 0.000 | 0.006 |
| | Land use and land use change | kg $CO_2$ eq. | 0.004 | 0.003 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.836 | 0.499 | 0.057 | 0.279 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 2.79E-03 | 1.84E-03 | 6.17E-04 | 3.43E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 8.81E-04 | 5.72E-04 | 8.12E-05 | 2.27E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 3.18E-03 | 2.16E-03 | 5.53E-04 | 4.69E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.70E-06 | 1.34E-06 | 1.30E-07 | 2.30E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 1.45E+01 | 1.28E+01 | 6.45E-01 | 1.11E+00 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 5.79E-01 | 5.68E-01 | 6.02E-03 | 4.02E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 4.12E+00 | 3.82E+00 | 2.54E-01 | 4.35E-02 |
| | Used as raw materials | MJ, net calorific value | 4.01E+00 | 4.01E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 8.12E+00 | 7.83E+00 | 2.54E-01 | 4.35E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 1.03E+01 | 8.39E+00 | 6.99E-01 | 1.21E+00 |
| | Used as raw materials | MJ, net calorific value | 6.84E+00 | 6.84E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.71E+01 | 1.52E+01 | 6.99E-01 | 1.21E+00 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.67E-02 | 1.59E-02 | 3.81E-04 | 4.05E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 3.34E-03 | 3.34E-03 | 6.95E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 5.11E-02 | 4.35E-02 | 7.55E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.32E-08 | 0.00E+00 | 1.32E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 3.68E-02 | 0.00E+00 | 3.68E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 1.58E-01 | 0.00E+00 | 0.00E+00 | 1.58E-01 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 10L

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.238 | 0.142 | 0.016 | 0.079 |
| | Biogenic | kg $CO_2$ eq. | 0.002 | 0.001 | 0.000 | 0.002 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.241 | 0.144 | 0.016 | 0.081 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 7.98E-04 | 5.03E-04 | 2.00E-04 | 9.59E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 2.45E-04 | 1.55E-04 | 2.52E-05 | 6.48E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 9.23E-04 | 6.15E-04 | 1.76E-04 | 1.31E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 4.55E-07 | 3.54E-07 | 3.64E-08 | 6.44E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 4.14E+00 | 3.64E+00 | 1.89E-01 | 3.11E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 1.56E-01 | 1.54E-01 | 1.56E-03 | 1.12E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 1.12E+00 | 1.04E+00 | 6.38E-02 | 1.22E-02 |
| | Used as raw materials | MJ, net calorific value | 1.07E+00 | 1.07E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 2.19E+00 | 2.11E+00 | 6.38E-02 | 1.22E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 2.91E+00 | 2.36E+00 | 2.05E-01 | 3.40E-01 |
| | Used as raw materials | MJ, net calorific value | 2.02E+00 | 2.02E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 4.92E+00 | 4.38E+00 | 2.05E-01 | 3.40E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 4.57E-03 | 4.36E-03 | 9.86E-05 | 1.12E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 1.14E-03 | 1.14E-03 | 1.74E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 1.67E-02 | 1.48E-02 | 1.89E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 3.30E-09 | 0.00E+00 | 3.30E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 9.85E-03 | 0.00E+00 | 9.85E-03 | 0.00E+00 |
| Materials for energy recovery | kg | 4.43E-02 | 0.00E+00 | 0.00E+00 | 4.43E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 10L

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.950 | 0.569 | 0.065 | 0.317 |
| | Biogenic | kg $CO_2$ eq. | 0.010 | 0.003 | 0.000 | 0.007 |
| | Land use and land use change | kg $CO_2$ eq. | 0.004 | 0.003 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.964 | 0.575 | 0.066 | 0.323 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 3.19E-03 | 2.01E-03 | 7.98E-04 | 3.84E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 9.81E-04 | 6.21E-04 | 1.01E-04 | 2.59E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 3.69E-03 | 2.46E-03 | 7.06E-04 | 5.26E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.82E-06 | 1.42E-06 | 1.46E-07 | 2.57E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 1.66E+01 | 1.46E+01 | 7.56E-01 | 1.24E+00 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 6.26E-01 | 6.15E-01 | 6.26E-03 | 4.49E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 4.47E+00 | 4.17E+00 | 2.55E-01 | 4.88E-02 |
| | Used as raw materials | MJ, net calorific value | 4.28E+00 | 4.28E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 8.75E+00 | 8.45E+00 | 2.55E-01 | 4.88E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 1.16E+01 | 9.45E+00 | 8.19E-01 | 1.36E+00 |
| | Used as raw materials | MJ, net calorific value | 8.06E+00 | 8.06E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.97E+01 | 1.75E+01 | 8.19E-01 | 1.36E+00 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.83E-02 | 1.74E-02 | 3.94E-04 | 4.50E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 4.55E-03 | 4.54E-03 | 6.95E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 6.67E-02 | 5.92E-02 | 7.55E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.32E-08 | 0.00E+00 | 1.32E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 3.94E-02 | 0.00E+00 | 3.94E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 1.77E-01 | 0.00E+00 | 0.00E+00 | 1.77E-01 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 4XL

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.159 | 0.097 | 0.010 | 0.052 |
| | Biogenic | kg $CO_2$ eq. | 0.002 | 0.001 | 0.000 | 0.001 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.163 | 0.099 | 0.010 | 0.053 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 5.37E-04 | 3.97E-04 | 7.67E-05 | 6.32E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 1.82E-04 | 1.25E-04 | 1.18E-05 | 4.44E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 5.81E-04 | 4.22E-04 | 7.25E-05 | 8.65E-05 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 3.62E-07 | 2.96E-07 | 2.44E-08 | 4.20E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 2.97E+00 | 2.66E+00 | 1.07E-01 | 2.03E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 1.18E-01 | 1.15E-01 | 1.38E-03 | 7.46E-04 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 7.77E-01 | 7.06E-01 | 6.30E-02 | 7.96E-03 |
| | Used as raw materials | MJ, net calorific value | 7.06E-01 | 7.06E-01 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.48E+00 | 1.41E+00 | 6.30E-02 | 7.96E-03 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 2.13E+00 | 1.79E+00 | 1.16E-01 | 2.22E-01 |
| | Used as raw materials | MJ, net calorific value | 1.30E+00 | 1.30E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 3.43E+00 | 3.09E+00 | 1.16E-01 | 2.22E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 3.05E-03 | 2.89E-03 | 8.85E-05 | 7.50E-05 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 3.18E-04 | 3.18E-04 | 1.74E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 6.02E-03 | 4.14E-03 | 1.89E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 3.30E-09 | 0.00E+00 | 3.30E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 7.62E-03 | 0.00E+00 | 7.62E-03 | 0.00E+00 |
| Materials for energy recovery | kg | 2.89E-02 | 0.00E+00 | 0.00E+00 | 2.89E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 4XL

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.638 | 0.390 | 0.040 | 0.208 |
| | Biogenic | kg $CO_2$ eq. | 0.008 | 0.003 | 0.000 | 0.005 |
| | Land use and land use change | kg $CO_2$ eq. | 0.005 | 0.004 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.651 | 0.396 | 0.041 | 0.214 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 2.15E-03 | 1.59E-03 | 3.07E-04 | 2.53E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 7.27E-04 | 5.02E-04 | 4.73E-05 | 1.78E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 2.32E-03 | 1.69E-03 | 2.90E-04 | 3.46E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.45E-06 | 1.18E-06 | 9.77E-08 | 1.68E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 1.19E+01 | 1.06E+01 | 4.28E-01 | 8.12E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 4.70E-01 | 4.62E-01 | 5.51E-03 | 2.98E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 3.11E+00 | 2.83E+00 | 2.52E-01 | 3.18E-02 |
| | Used as raw materials | MJ, net calorific value | 2.82E+00 | 2.82E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 5.93E+00 | 5.65E+00 | 2.52E-01 | 3.18E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 8.52E+00 | 7.17E+00 | 4.66E-01 | 8.88E-01 |
| | Used as raw materials | MJ, net calorific value | 5.19E+00 | 5.19E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.37E+01 | 1.24E+01 | 4.66E-01 | 8.88E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.22E-02 | 1.16E-02 | 3.54E-04 | 3.00E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 1.27E-03 | 1.27E-03 | 6.95E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 2.41E-02 | 1.65E-02 | 7.55E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.32E-08 | 0.00E+00 | 1.32E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 3.05E-02 | 0.00E+00 | 3.05E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 1.15E-01 | 0.00E+00 | 0.00E+00 | 1.15E-01 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 6XL

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.182 | 0.111 | 0.012 | 0.060 |
| | Biogenic | kg $CO_2$ eq. | 0.002 | 0.001 | 0.000 | 0.002 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.186 | 0.112 | 0.012 | 0.061 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 6.12E-04 | 4.33E-04 | 1.07E-04 | 7.22E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 2.02E-04 | 1.36E-04 | 1.51E-05 | 5.04E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 6.74E-04 | 4.77E-04 | 9.82E-05 | 9.89E-05 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 3.92E-07 | 3.16E-07 | 2.75E-08 | 4.81E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 3.32E+00 | 2.96E+00 | 1.28E-01 | 2.32E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 1.29E-01 | 1.26E-01 | 1.43E-03 | 8.49E-04 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 8.57E-01 | 7.85E-01 | 6.32E-02 | 9.12E-03 |
| | Used as raw materials | MJ, net calorific value | 8.02E-01 | 8.02E-01 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.66E+00 | 1.59E+00 | 6.32E-02 | 9.12E-03 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 2.37E+00 | 1.98E+00 | 1.39E-01 | 2.54E-01 |
| | Used as raw materials | MJ, net calorific value | 1.50E+00 | 1.50E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 3.87E+00 | 3.48E+00 | 1.39E-01 | 2.54E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 3.45E-03 | 3.27E-03 | 9.10E-05 | 8.52E-05 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 5.17E-04 | 5.16E-04 | 1.74E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 8.61E-03 | 6.72E-03 | 1.89E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 3.30E-09 | 0.00E+00 | 3.30E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 8.20E-03 | 0.00E+00 | 8.20E-03 | 0.00E+00 |
| Materials for energy recovery | kg | 3.31E-02 | 0.00E+00 | 0.00E+00 | 3.31E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 6XL

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.728 | 0.443 | 0.046 | 0.239 |
| | Biogenic | kg $CO_2$ eq. | 0.009 | 0.003 | 0.000 | 0.006 |
| | Land use and land use change | kg $CO_2$ eq. | 0.005 | 0.004 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.742 | 0.450 | 0.047 | 0.245 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 2.45E-03 | 1.73E-03 | 4.28E-04 | 2.89E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 8.06E-04 | 5.44E-04 | 6.05E-05 | 2.02E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 2.70E-03 | 1.91E-03 | 3.93E-04 | 3.95E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.57E-06 | 1.26E-06 | 1.10E-07 | 1.92E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 1.33E+01 | 1.19E+01 | 5.10E-01 | 9.30E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 5.15E-01 | 5.06E-01 | 5.70E-03 | 3.40E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 3.43E+00 | 3.14E+00 | 2.53E-01 | 3.65E-02 |
| | Used as raw materials | MJ, net calorific value | 3.21E+00 | 3.21E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 6.64E+00 | 6.35E+00 | 2.53E-01 | 3.65E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 9.49E+00 | 7.92E+00 | 5.55E-01 | 1.02E+00 |
| | Used as raw materials | MJ, net calorific value | 6.01E+00 | 6.01E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.55E+01 | 1.39E+01 | 5.55E-01 | 1.02E+00 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.38E-02 | 1.31E-02 | 3.64E-04 | 3.41E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 2.07E-03 | 2.07E-03 | 6.95E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 3.44E-02 | 2.69E-02 | 7.55E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.32E-08 | 0.00E+00 | 1.32E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 3.28E-02 | 0.00E+00 | 3.28E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 1.32E-01 | 0.00E+00 | 0.00E+00 | 1.32E-01 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 8XL

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.220 | 0.133 | 0.014 | 0.073 |
| | Biogenic | kg $CO_2$ eq. | 0.003 | 0.001 | 0.000 | 0.002 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.224 | 0.135 | 0.015 | 0.075 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 7.47E-04 | 5.00E-04 | 1.57E-04 | 9.02E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 2.39E-04 | 1.57E-04 | 2.06E-05 | 6.10E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 8.42E-04 | 5.78E-04 | 1.40E-04 | 1.24E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 4.54E-07 | 3.60E-07 | 3.35E-08 | 6.03E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 3.93E+00 | 3.47E+00 | 1.66E-01 | 2.91E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 1.54E-01 | 1.52E-01 | 1.52E-03 | 1.06E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 1.08E+00 | 1.00E+00 | 6.36E-02 | 1.14E-02 |
| | Used as raw materials | MJ, net calorific value | 1.03E+00 | 1.03E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 2.11E+00 | 2.03E+00 | 6.36E-02 | 1.14E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 2.79E+00 | 2.30E+00 | 1.79E-01 | 3.19E-01 |
| | Used as raw materials | MJ, net calorific value | 1.83E+00 | 1.83E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 4.63E+00 | 4.13E+00 | 1.79E-01 | 3.19E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 4.37E-03 | 4.17E-03 | 9.60E-05 | 1.07E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 8.38E-04 | 8.38E-04 | 1.74E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 1.28E-02 | 1.09E-02 | 1.89E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 3.30E-09 | 0.00E+00 | 3.30E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 9.39E-03 | 0.00E+00 | 9.39E-03 | 0.00E+00 |
| Materials for energy recovery | kg | 4.15E-02 | 0.00E+00 | 0.00E+00 | 4.15E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 8XL

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.881 | 0.532 | 0.058 | 0.292 |
| | Biogenic | kg $CO_2$ eq. | 0.011 | 0.004 | 0.000 | 0.007 |
| | Land use and land use change | kg $CO_2$ eq. | 0.005 | 0.004 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.897 | 0.540 | 0.058 | 0.299 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 2.99E-03 | 2.00E-03 | 6.27E-04 | 3.61E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 9.55E-04 | 6.29E-04 | 8.25E-05 | 2.44E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 3.37E-03 | 2.31E-03 | 5.62E-04 | 4.94E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.82E-06 | 1.44E-06 | 1.34E-07 | 2.41E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 1.57E+01 | 1.39E+01 | 6.62E-01 | 1.17E+00 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 6.17E-01 | 6.06E-01 | 6.07E-03 | 4.23E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 4.31E+00 | 4.01E+00 | 2.54E-01 | 4.57E-02 |
| | Used as raw materials | MJ, net calorific value | 4.13E+00 | 4.13E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 8.44E+00 | 8.14E+00 | 2.54E-01 | 4.57E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 1.12E+01 | 9.19E+00 | 7.18E-01 | 1.27E+00 |
| | Used as raw materials | MJ, net calorific value | 7.33E+00 | 7.33E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 1.85E+01 | 1.65E+01 | 7.18E-01 | 1.27E+00 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.75E-02 | 1.67E-02 | 3.84E-04 | 4.27E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 3.35E-03 | 3.35E-03 | 6.95E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 5.12E-02 | 4.36E-02 | 7.55E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.32E-08 | 0.00E+00 | 1.32E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 3.76E-02 | 0.00E+00 | 3.76E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 1.66E-01 | 0.00E+00 | 0.00E+00 | 1.66E-01 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 10XL

**One absorbent product**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 0.250 | 0.150 | 0.017 | 0.083 |
| | Biogenic | kg $CO_2$ eq. | 0.003 | 0.001 | 0.000 | 0.002 |
| | Land use and land use change | kg $CO_2$ eq. | 0.001 | 0.001 | 0.000 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 0.254 | 0.152 | 0.017 | 0.085 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 8.36E-04 | 5.34E-04 | 2.03E-04 | 9.92E-05 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 2.59E-04 | 1.65E-04 | 2.57E-05 | 6.82E-05 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 9.61E-04 | 6.46E-04 | 1.79E-04 | 1.36E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 4.74E-07 | 3.69E-07 | 3.89E-08 | 6.65E-08 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 4.41E+00 | 3.89E+00 | 1.97E-01 | 3.21E-01 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 1.63E-01 | 1.60E-01 | 1.58E-03 | 1.16E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 1.13E+00 | 1.05E+00 | 6.39E-02 | 1.26E-02 |
| | Used as raw materials | MJ, net calorific value | 1.08E+00 | 1.08E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 2.21E+00 | 2.14E+00 | 6.39E-02 | 1.26E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 3.09E+00 | 2.53E+00 | 2.13E-01 | 3.51E-01 |
| | Used as raw materials | MJ, net calorific value | 2.13E+00 | 2.13E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 5.23E+00 | 4.66E+00 | 2.13E-01 | 3.51E-01 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 4.65E-03 | 4.44E-03 | 9.96E-05 | 1.16E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 1.14E-03 | 1.14E-03 | 1.74E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 1.67E-02 | 1.48E-02 | 1.89E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 3.30E-09 | 0.00E+00 | 3.30E-09 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 1.00E-02 | 0.00E+00 | 1.00E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 4.57E-02 | 0.00E+00 | 0.00E+00 | 4.57E-02 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



Heruntergeladen von Gast (IP 216.73.217.10) am 24.11.2026 um 04:10 Uhr · sana.swiss

# Attends Pull-Ons 10XL

**One day of absorbent product use**

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Global warming potential (GWP) | Fossil | kg $CO_2$ eq. | 1.001 | 0.601 | 0.067 | 0.333 |
| | Biogenic | kg $CO_2$ eq. | 0.011 | 0.004 | 0.000 | 0.007 |
| | Land use and land use change | kg $CO_2$ eq. | 0.005 | 0.004 | 0.001 | 0.000 |
| | TOTAL | kg $CO_2$ eq. | 1.016 | 0.608 | 0.068 | 0.340 |
| Acidification potential (AP) | | kg $SO_2$ eq. | 3.34E-03 | 2.14E-03 | 8.11E-04 | 3.97E-04 |
| Eutrophication potential (EP) | | kg $PO_4^{3-}$ eq. | 1.04E-03 | 6.60E-04 | 1.03E-04 | 2.73E-04 |
| Photochemical oxidant creation potential (POCP) | | kg NMVOC eq. | 3.84E-03 | 2.58E-03 | 7.18E-04 | 5.44E-04 |
| Abiotic depletion potential (ADP) - elements | | kg Sb eq. | 1.90E-06 | 1.48E-06 | 1.56E-07 | 2.66E-07 |
| Abiotic depletion potential (ADP) - fossil resources | | MJ, net calorific value | 1.76E+01 | 1.56E+01 | 7.88E-01 | 1.28E+00 |
| Water deprivation potential (WDP) | | $m^3$ world eq. | 6.53E-01 | 6.42E-01 | 6.34E-03 | 4.64E-03 |

| Parameter | | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|---|
| Primary energy resources - Renewable | Used as energy carrier | MJ, net calorific value | 4.52E+00 | 4.22E+00 | 2.56E-01 | 5.04E-02 |
| | Used as raw materials | MJ, net calorific value | 4.33E+00 | 4.33E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 8.85E+00 | 8.54E+00 | 2.56E-01 | 5.04E-02 |
| Primary energy resources – Non-renewable | Used as energy carrier | MJ, net calorific value | 1.24E+01 | 1.01E+01 | 8.53E-01 | 1.41E+00 |
| | Used as raw materials | MJ, net calorific value | 8.53E+00 | 8.53E+00 | 0.00E+00 | 0.00E+00 |
| | Total | MJ, net calorific value | 2.09E+01 | 1.86E+01 | 8.53E-01 | 1.41E+00 |
| Secondary material | | Kg | N/A | N/A | N/A | N/A |
| Renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Non-renewable secondary fuels | | MJ, net calorific value | N/A | N/A | N/A | N/A |
| Net use of fresh water | | $m^3$ | 1.86E-02 | 1.78E-02 | 3.98E-04 | 4.63E-04 |

| Parameter | Unit | Total | Upstream | Core | Downstream |
|---|---|---|---|---|---|
| Hazardous waste disposed | kg | 4.55E-03 | 4.54E-03 | 6.95E-07 | 0.00E+00 |
| Non-hazardous waste disposed | kg | 6.67E-02 | 5.92E-02 | 7.55E-03 | 0.00E+00 |
| Radioactive waste disposed | kg | 1.32E-08 | 0.00E+00 | 1.32E-08 | 0.00E+00 |
| Components for reuse | kg | N/A | N/A | N/A | N/A |
| Material for recycling | kg | 4.01E-02 | 0.00E+00 | 4.01E-02 | 0.00E+00 |
| Materials for energy recovery | kg | 1.83E-01 | 0.00E+00 | 0.00E+00 | 1.83E-01 |
| Exported energy, electricity | MJ | N/A | N/A | N/A | N/A |
| Exported energy, thermal | MJ | N/A | N/A | N/A | N/A |



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# Programme-related information and verification

| |
|---|
| This EPD follow the PCR 2011:14 Absorbent Hygiene Products (3.0.2) |
| Product Category Rules review was conducted by: The Technical Committee of the International EPD® System. Chair: Massimo Marino<br>Contact via info@environdec.com |
| Independent verification of the declaration and data, according to ISO 14025:2006:<br>☐ EPD Process certification (internal) ☑ EPD Verification (External) |
| Third party verifier:<br>Daniel Böckin (daniel@miljogiraff.se) and Karin Lagercrantz (karin@miljogiraff.se)<br>under the guidance of Marcus Wendin (marcus@miljogiraff.se)<br>Miljögiraff AB<br>www.miljogiraff.se |

| | |
|---|---|
| **EPD owner:** | Attends Healthcare AB<br>Järnvägsgatan 4, 548 33, Aneby, Sweden<br>Fredrik Gustavsson,<br>fredrik.gustavsson@attindas.com |
| **Programme operator:** | EPD International AB<br>Box 210 60, 100 31, Stockholm, Sweden<br>info@environdec.com |



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# Differences compared to previous version

Version 1.

# References

EPD International (2022). Environmental Performance Indicators

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