

Uppgiftslämnaren reserverar sig för eventuella fel i produktinformationen eller felaktigt registrerade uppgifter och förbehåller sig rätten att korrigera och/eller komplettera produktinformation utan föregående avisering

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GRUNDDATA

Varubeskrivning

För värme/kylsystem, diesel, glykol, neutrala vätskor, andra media som inte angriper i ventilen ingående material. I mässing CW617N, och fullt genomlopp. Ventilsåte PTFE, spindeltätning HNBR.

Övriga upplysningar**Klassificeringar**

ETIM >	-EC011343 -
BK04 >	-20702 - Kulventiler
BSAB >	-P - P - Apparater, ledningar m m i rörsystem eller rörledningsnät
UNSPSC >	

Leverantörsuppgifter**Företagsnamn**

Ahlsell Sverige AB

Organisationsnummer

5560129206

Adress

Årstaängsvägen 17

Hemsida

www.ahlsell.se

Miljökontaktperson**Namn**

Linda Eberl

Telefon**E-post**

linda.eberl@ahlsell.se

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HÅLLBARHETSARBETE

Företagets certifiering

- ISO 9001
- ISO 14001

Polycys och riktlinjer

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INNEHÅLLSDEKLARATION

Kemisk produkt	Nej
Innehåller produkten elektronik	Nej
Omfattas varan av RoHs-direktivet	Nej
Varans vikt	0,133 - 1,78 kg

Vara / Delkomponenter

Koncentrationen har beräknats på hela varan

Ingående material /komponenter	Vikt-% i komponent	CAS-nr (alt legering)	EG-nr (alt legering)	Vikt % i produkt	Kommentar
Stål, ospecificerat		Övrigt, metaller		23%	Handtag
Silikonolja		63148-62-9	Saknas	0,1%	
Rostfritt stål EN 1.4301, 8-10,5%, Bedömning på legeringsnivå		12597-68-1	603-108-1	14%	Kula, mutter
Akrylonitril-butadien polymer (NBR) synonym 1,3-Butadien-akrylonitril polymer		9003-18-3		0,03%	Innehåller 7% Citric acid ester
Mässing CW617N (CuZn40Pb2) Pb ≤2,5%		Övrigt, metaller		61,2%	Ventilhus, gland
Pigment, ospecificerade		Övrigt, kemikalier		0,5%	Pigment för plasthandtag.
Polyvinylklorid, PVC, Ethene, chloro-, homopolymer		9002-86-2		0,98%	Överdrag för handtag. Innehåller ej mjukgörare
Polytetrafluoreten (PTFE)		9002-84-0		0,2%	

Del av materialinnehållet som är deklarerat 100,01%

Särskilt farliga ämnen

Följande ämnen finns med på kandidatförteckningen i en koncentration och som överstiger 0,1 vikts-%:

Namn	CAS-nr	EG-nr	Vikt % i produkt
Mässing CW617N (CuZn40Pb2) Pb ≤2,5%	Övrigt, metaller		Inget angivet
Bly	7439-92-1	231-100-4	Inget angivet

Utgåva av kandidatförteckningen som har använts

2025-06-25

Nanomaterial

Innehåller produkten tillsatt nanomaterial, som är medvetet tillsatta för att uppnå en viss funktion?: Nej

Tillsatt högflourerade ämnen (PFAS)

Innehåller produkten tillsatt högflourerade ämnen (PFAS), som är aktivt tillsatta för att uppnå en specifik funktion?: Ja

Specification av tillsatt högflourerade ämnen (PFAS) och andel som utgörs av den totala varans vikt:

Ingående material	CAS-nr	Vikt % i produkt
PTFE	9002-84-0	<0,2%

Begränsningslistan

Innehåller varan/produkten, eller någon av dess delkomponenter, ämnen som gör att produkten inte uppfyller villkoren i Begränsningslistan (Reach Bilaga XVII)?: Ja

Specification av ämnen på begränsningslistan och andel som utgörs av den totala varans vikt:

Ingående material	CAS-nr	Vikt % i produkt
Bly	7439-92-1	≤1,53%

POPs-förordningen

Innehåller varan (eller någon av dess delkomponenter) ämnen som finns i POPs-förordningen?: Nej

Övrigt

Ämnen är redovisade ned till 0,01% viktprocent enligt iBVDs redovisningskrav. Eventuell avvikelse från redovisningskraven redovisas nedan

4

RÅVAROR

Återvunnet material

Innehåller varan återvunnet material: Nej

Träråvara

Träråvara ingår i varan: Nej

5

MILJÖPÅVERKAN

Finns en miljövarudeklaration framtagen enligt EN15804 eller ISO14025 för varan

Ja

Finns annan miljövarudeklaration

Nej

6

DISTRIBUTION

Beskrivning av emballagehantering för distribution av varan

Levereras oförpackad.

7

BYGGSKEDET

Ställer varan särskilda krav vid lagring?

Nej

Ställer varan särskilda krav på omgivande byggvaror?

Nej

8

BRUKSSKEDET

Finns skötselanvisningar/skötselråd?

Nej

Finns en energimärkning enligt energimärkningsdirektivet (2017/1369/EU) för varan?

Ej relevant

9

RIVNING

Kräver varan särskilda åtgärder för skydd av hälsa och miljö vid rivning/demontering?

Nej

Omfattas den levererade varan av förordningen (2014:1075) om producentansvar för elektriska och elektroniska produkter när den blir avfall?	Nej
Är återanvändning möjlig för hela eller delar av varan?	Ja
Om varan är bruklig går den att flytta och återanvända	
Är materialåtervinning möjlig för hela eller delar av varan?	Ja
Återvinns som mässing	
Är energiåtervinning möjlig för hela eller delar av varan?	Nej
Har leverantören restriktioner och rekommendationer för återanvändning, material- eller energiåtervinning eller deponering?	Nej
När den levererade varan blir avfall, klassas den då som farligt avfall?	Nej
Avfallskod (EWC) för den levererade varan	170401

RSK-nummer	Eget Artikel-nr	GTIN
450 18 38		7340080730576
450 18 46		7340080730583
450 18 69		7340080730590
450 19 98		7340080730606
450 19 99		7340080730613
450 20 00		7340080730620
450 20 08		7340080730637

Produktdatablad

Prestandadeklaration

Säkerhetsblad

RoHS-intyg

Miljövarudeklaration EPD Avi 1382.pdf

Skötselanvisning

Övriga bifogade dokument

Environmental Product Declaration



In accordance with ISO 14025 and EN 15804:2012+A2:2019 for:

BALL VALVE AVI 1382, a-collection

from

Ahlsell AB



Programme

Programme operator

EPD registration number

Publication date

Valid until

EPD International AB

The International EPD® System

EPD IES 0011039

2024 09 15

2029 09 14

An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com

This EPD covers multiple products and is based on the results of the representative product.



General Information

Programme information	
Programme	The International EPD® System
Address:	EPD International AB Box 210 60 SE-100 31 Stockholm Sweden
Website	www.environdec.com
E-mail	info@environdec.com

Accountabilities for PCR, LCA and independent, third-party verification	
Product Category Rules (PCR)	Construction products (EN 15804:A2) PCR 2019:14 Construction products (EN 15804:A2) (1.3.4)
Life Cycle Assessment (LCA)	Carbonzero AB
Third-party verification:	Independent third-party verification of the declaration and data, according to ISO 14025:2006: ☒ EPD process certification Vladimír Kocí, LCA Studio  Approved by: The International EPD® System
Procedure for follow-up of data during EPD validity involves third party verifier: ☐ Yes ☒ No	

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

EPDs within the same product category but registered in different EPD programmes, or not compliant with EN 15804, may not be comparable. For two EPDs to be comparable, they must be based on the same PCR (including the same version number) or be based on fully-aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have equivalent system boundaries and descriptions of data; apply equivalent data quality requirements, methods of data collection, and allocation methods; apply identical cut-off rules and impact assessment methods (including the same version of characterisation factors); have equivalent content declarations; and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.

Company information

Owner of the EPD	Ahlsell AB
Contact	Ekatherine Lagovardos
Description of the organisation	Ahlsell AB is present where people reside, work, and live their lives. Ahlsell AB is currently the Nordic region's leading community-building distributor of installation products, tools, and supplies for installation, construction, real estate management, industrial and power companies, and the public sector. With around 7,500 employees, 300 stores, e-commerce, and four central warehouses, we are working daily to achieve our vision of building a more sustainable society.
Product-related or management system-related certifications:	ISO 9001 & ISO 14001
Name and location of production site(s):	Name of plant: Hallsberg Location: Sweden

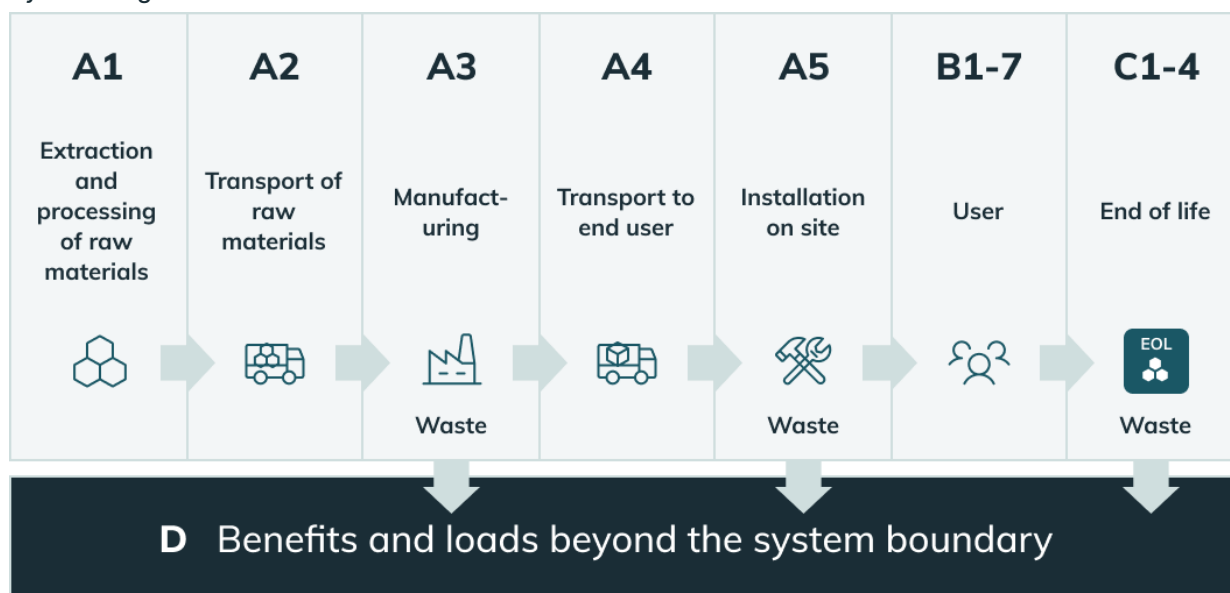
Product information

Product name(s)	FEMALE/MALE THREAD PN25 G1/2"
Product description:	For heating/cooling systems, diesel, glycol, neutral liquids, other media that do not attack the materials included in the valve. In brass CW617N, and full bore. Valve seat PTFE, stem seal HNBR.
RSL	10 years
UN CPC code	415 - Semi-finished products of copper

LCA information

Functional unit / declared unit	1 kg of Product
Time representative-ness	Data obtained refers to the year 2023
System Boundary	The system boundaries are set to be "cradle-to-gate" with modules A4, C1-C4 + D for end of life.
Database(s) and LCA software used	Eando X version 1.01

System diagram



A1	Raw material supply	This module considers the extraction and processing of all raw materials, energy, and transportation which occur upstream to the studied manufacturing process, including packaging material.
A2	Transport to the manufacturer	The raw materials are transported to the manufacturing site.
A3	Manufacturing*	This module includes all resources used to produce and waste produced. This also includes additives and packaging material.
A4	Transport	Transportation from the manufacturing site to distribution centre and then from the distribution centre to the building site is included.
	Transport Scenario	truck: 350km
A5	Construction installation	This stage is not declared, except for the GWP-biogenic arising from packaging that leaves the system boundary, which is balanced in this module.
B1-B7	Use stage	This stage is not declared.
C1	Deconstruction/Demolition	This stage includes the de-construction and/or demolition of the building. This is not relevant as the product included in this study is not used in the construction process.
C2	Transport	This stage represents the transport distance to the waste processing facility.
C3	Waste processing	This stage includes any waste treatment needed.
	EOL Scenario	Landfill 9.87%. Incineration 0.52%. Recycling 89.6%.
C4	Final disposal	This includes any material that is landfilled.
D	Benefits	Emission credits obtained from energy recovery and/or recycling materials

* If purchased electricity used in the manufacturing process of module A3 accounts for more than 30% of the GWP-GHG results of modules A1-A3, the EPD shall declare the energy source behind the purchased electricity and its climate impact as kg CO₂ eq./kWh. This information can be found in the end of the EPD.

Modules declared, geographical scope, share of specific data (in GWP-GHG results) and data variation (in GWP-GHG results):

	Product stage			Assembly stage	Use stage								End of life stage				Benefits & loads beyond system boundary
	Raw Materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery - Recycling-potential
	A1	A2	A3	A4	A5*	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Declared	X	X	X	X	X	ND	ND	ND	ND	ND	ND	ND	X	X	X	X	X
Geography	CN	GLO	SE	EU	EU	-	-	-	-	-	-	-	EU	EU	EU	EU	EU
Specific data used	> 90 %			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation-Products	< 10 %			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation-Sites	0 %			-	-	-	-	-	-	-	-	-	-	-	-	-	-

ND – Not Declared; X – Declared

Reading example: $9,0E-03 = 9,0 \cdot 10^{-3} = 0,009$

* Module A5 is only partially declared, GWP biogenic arising due to packaging material in A1-A3 stages are balanced in A5 where it exits the product system boundary.

Content Information

Product Components	Weight, kg	Post-consumer material, weight-%	Biogenic material, weight-% and kg C/kg
Metal	0.988	0.000	0.000
Plastic	0.011	0.000	0.000
Rubber	7.22e-4	0.000	0.000
Total	1.000	0.000	0.000

Packaging Materials	Weight, kg	Weight-% (versus the product)	Weight biogenic carbon, kg C/kg
Packaging Paper	1.00e-8	1.00e-6	4.16e-9
LDPE	0.003	0.320	0.000
Carton	0.037	3.735	0.000
Total	0.041	4.055	4.16e-9

Dangerous substances from the candidate list of SVHC for Authorisation	EC No.	CAS No.	Weight-% per functional or declared unit
-	-	-	0.000

At the date of issue of this declaration, there is no "Substance of Very High Concern" (SVHC) in concentration above 0.1% by weight, and neither does the packaging, following the European REACH regulation (Registration, Evaluation, Authorization and Restriction of Chemicals)

Environmental Information

Potential environmental impact – indicators according to EN 15804+A2

Results per functional unit: 1 kg									
Indicator	Unit	A1 - A3	A4	A5	C1	C2	C3	C4	D
GWP-total	kg CO ₂ eq	6.14e+0	5.91e-2	4.31e-2	0.00e+0	3.60e-3	-1.38e-2	4.63e-3	-3.92e+0
GWP-fossil	kg CO ₂ eq	6.14e+0	5.80e-2	ND	0.00e+0	3.53e-3	1.55e-2	4.63e-3	-3.92e+0
GWP-biogenic	kg CO ₂ eq	-1.24e-2	1.40e-4	4.31e-2	0.00e+0	8.52e-6	-2.94e-2	0.00e+0	1.79e-6
GWP-luluc	kg CO ₂ eq	1.26e-2	9.86e-4	ND	0.00e+0	6.00e-5	1.11e-7	4.69e-6	-7.59e-3
ODP	kg CFC-11 eq	7.66e-8	8.61e-15	ND	0.00e+0	5.24e-16	1.57e-15	7.62e-15	-4.60e-8
AP	mole H ⁺ eq	3.54e-1	3.71e-4	ND	0.00e+0	2.26e-5	1.69e-6	1.48e-5	-2.32e-1
EP-freshwater*	kg P eq	2.76e-2	2.50e-7	ND	0.00e+0	1.52e-8	4.24e-10	4.18e-9	-1.81e-2
EP-marine	kg N eq	1.96e-2	1.82e-4	ND	0.00e+0	1.11e-5	3.87e-7	3.73e-6	-1.26e-2
EP-terrestrial	mole N eq	2.62e-1	2.01e-3	ND	0.00e+0	1.22e-4	7.83e-6	4.09e-5	-1.70e-1
POCP	kg NMVOC eq	7.41e-2	3.59e-4	ND	0.00e+0	2.19e-5	1.14e-6	1.17e-5	-4.82e-2
ADP-minerals & metals**	kg Sb eq	4.80e-3	5.09e-9	ND	0.00e+0	3.10e-10	1.42e-11	1.27e-10	-3.15e-3
ADP-fossil**	MJ	8.93e+1	7.69e-1	ND	0.00e+0	4.68e-2	3.70e-3	6.91e-2	-5.69e+1
WDP**	m ³	6.34e+0	9.07e-4	ND	0.00e+0	5.52e-5	1.45e-3	-6.28e-5	-4.14e+0
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption								

* The results in kg PO₄ eq. can be obtained by multiplying the results in kg P eq. by a factor of 3,07.

** The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

Use of resources

Results per functional unit: 1 kg									
Indicator	Unit	A1 - A3	A4	A5	C1	C2	C3	C4	D
PERE	MJ	1.63e+1	6.64e-2	ND	0.00e+0	4.04e-3	9.02e-4	6.21e-3	-1.24e+1
PERM	MJ	6.35e-1	0.00e+0	ND	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0
PERT	MJ	1.69e+1	6.64e-2	ND	0.00e+0	4.04e-3	9.02e-4	6.21e-3	-1.24e+1
PENRE	MJ	5.22e-1	0.00e+0	ND	0.00e+0	0.00e+0	3.70e-3	6.91e-2	-4.98e-2
PENRM	MJ	2.88e-1	0.00e+0	ND	0.00e+0	0.00e+0	-7.52e-2	-6.15e-2	7.12e-3
PENRT	MJ	8.10e-1	0.00e+0	ND	0.00e+0	0.00e+0	-7.15e-2	7.55e-3	-4.27e-2
SM	kg	2.23e-1	0.00e+0	ND	0.00e+0	0.00e+0	0.00e+0	0.00e+0	9.38e-1
RSF	MJ	3.49e+1	0.00e+0	ND	0.00e+0	0.00e+0	0.00e+0	0.00e+0	-2.83e+1
NRSF	MJ	0.00e+0	0.00e+0	ND	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0
FW	m3	1.21e-1	7.43e-5	ND	0.00e+0	4.52e-6	3.40e-5	7.78e-7	-9.71e-2
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water								

Additional voluntary indicators

Results per functional unit: 1 kg									
Indicator	Unit	A1 - A3	A4	A5	C1	C2	C3	C4	D
GWP-GHG	kg CO2 eq	4.86e+0	5.49e-5	ND	0.00e+0	3.34e-6	1.55e-2	4.47e-3	-3.90e+0
EP	kg PO4 eq	7.52e-2	6.21e-8	ND	0.00e+0	3.78e-9	2.30e-7	1.31e-6	-6.09e-2
Acronyms	GWP-GHG global warming potential - greenhouse gases; EP eutrophication potential								

The GWP-GHG indicator is identical to GWP-total except that the characterisation factor (CF) for biogenic CO2 is set to zero. This means that the uptake and emissions of biogenic CO2 are “balanced out” already in modules A1-A3, instead of in modules A1-A5 (for packaging) or modules A-C (for product). In the context of Norwegian public procurement legislation, GWP-GHG is also referred to as GWP-IOBC.

Waste and output flows

Results per functional unit: 1 kg									
Indicator	Unit	A1 - A3	A4	A5	C1	C2	C3	C4	D
HWD	kg	1.23e-9	2.95e-11	ND	0.00e+0	1.80e-12	4.52e-14	5.70e-12	-4.88e-10
NHWD	kg	3.62e+0	1.25e-4	ND	0.00e+0	7.64e-6	5.93e-4	9.88e-2	-2.89e+0
RWD	kg	3.07e-4	1.41e-6	ND	0.00e+0	8.56e-8	1.58e-7	8.04e-7	-1.58e-4
Acronyms	HW Hazardous waste disposed; NHW Non-hazardous waste disposed; RW Radioactive waste disposed								

Output flows

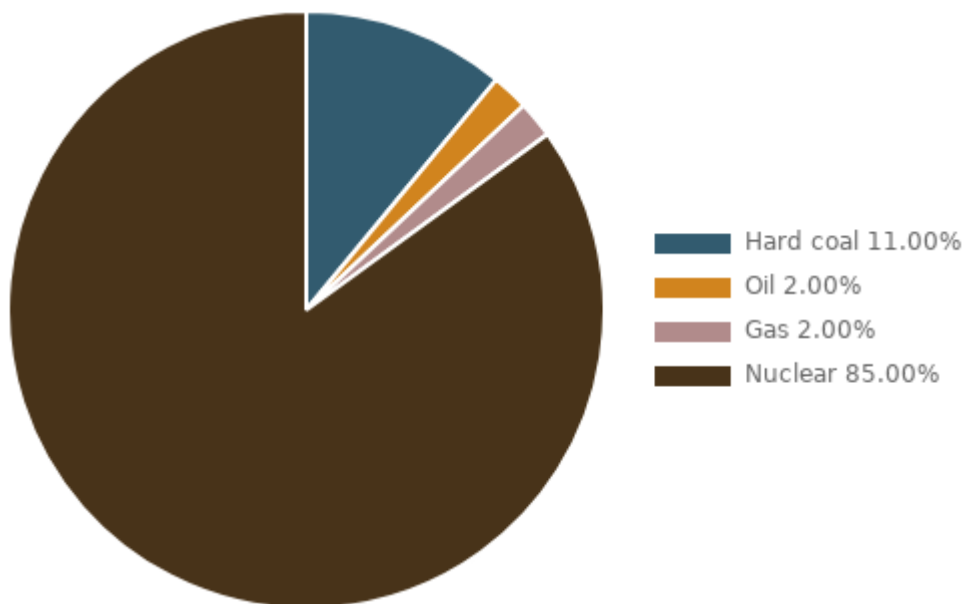
Results per functional unit: 1 kg									
Indicator	Unit	A1 - A3	A4	A5	C1	C2	C3	C4	D
CRU	kg	3.49e+1	0.00e+0	ND	0.00e+0	0.00e+0	0.00e+0	0.00e+0	-2.83e+1
MFR	kg	0.00e+0	0.00e+0	ND	0.00e+0	0.00e+0	8.96e-1	0.00e+0	0.00e+0
MER	kg	0.00e+0	0.00e+0	ND	0.00e+0	0.00e+0	5.21e-3	0.00e+0	0.00e+0
EEE	MJ	0.00e+0	0.00e+0	ND	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0
EET	MJ	0.00e+0	0.00e+0	ND	0.00e+0	0.00e+0	0.00e+0	0.00e+0	0.00e+0
Acronyms	CRU Components for reuse; MFR Materials for recycling; MER Materials for energy recovery; EEE Exported electric energy; ETE Exported thermal energy								

Energy Breakdown

Electricity used in the manufacturing

Name	Data source	GWP excl. biogenic [kg CO2-eq/kWh]
Electricity Residual Mix - Sweden (2023)	AIB	1,17E-2

Breakdown of electricity usage



Product Table

Name	Weight, kg	Unit
FEMALE/MALE THREAD PN25 G2"	1.123	pc
FEMALE/MALE THREAD PN25 G1/2"	1.877	pc
FEMALE/MALE THREAD PN25 G1 1/4"	1.123	pc
FEMALE/MALE THREAD PN25 G1"	0.865	pc
FEMALE/MALE THREAD PN25 G3/4"	0.549	pc
FEMALE/MALE THREAD PN25 G1/2"	0.154	pc
FEMALE/MALE THREAD PN25 G3/8"	0.154	pc

Additional information

Additional Environmental Information

See the PCR and sections 5.4, 7.3 and 7.4 in EN 15804.

An EPD may include additional environmental information, in addition to the LCA results of the section on environmental performance results. The additional environmental information may cover various aspects of specific relevance for the product, for example:

- instruction for proper use of the product, e.g. to minimise the energy or water consumption or to improve the durability of the product;
- instructions for proper maintenance and service of the product;
- information on key parts of the product determining its durability;
- information on recycling including e.g. suitable procedures for recycling the entire product or selected parts and the potential environmental benefits gained;
- information on a suitable method of reuse of the product (or parts of the products) and procedures for disposal as waste at the end of its life cycle,
- information regarding disposal of the product or inherent materials, and any other information considered necessary to minimise the product's end-of-life impacts,
- information on permanent (more than 100 years) storage of biogenic carbon, either in the product, in a landfill, or as a consequence of applying carbon capture and storage (CCS) to the incineration of biogenic carbon, and how this would influence GWP-biogenic results if the GWP-biogenic indicator would allow consideration of such storage (it currently does not according to EN 15804; in case of such storage a virtual emission of biogenic CO₂ has to be added, see Annex 2)
- a more detailed description of an organisation's overall environmental work such as:
 - the existence of a quality or environmental management system or any type of organised environmental activity, and
 - information on where interested parties may find more details about the organisation's environmental work.

Additional environmental information can also include information on carbon offset, carbon storage and delayed emissions, or on release of dangerous substances to indoor air, soil and water during the use stage.

Additional social and economic information

The EPD may also include other relevant social and economic information as additional and voluntary information. This may be product information or a description of an organisation's overall work on social or economic sustainability, such as activities related to supply chain management or social responsibility.

Any additional social and economic information declared shall be substantiated and verifiable, and be derived using appropriate methods and be specific, accurate, not misleading, and relevant to the specific product. Quantitative information is preferred over qualitative information.

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Contact Info

EPD owner:	 AhlSell AB Email: ekatherine.lagovardos@ahlsell.se Telephone: +46 8 685 70 00 Address: SE-117 98 Stockholm, Sweden
LCA author:	 CarbonZero AB Email: info@eando.se Telephone: +46 4 317 07 07 Address: SE-262 32 Ängelholm, Sweden
Third party verifier:	 Vladimír Kocí Email: vladimir.koci@lcastudio.cz Telephone: +420 608 055 972 Address: LCA Studio, Šárecká 1962/5, 160 00 Praha 6
Program operator:	 EPD International AB Email: info@environdec.com Telephone: +46 (0)73 311 30 20 Address: SE-11427 Stockholm, Sweden