



PRODUCT ENVIRONMENTAL PROFILE

ARGENTA PLUS – COLD ROLLED STEEL – OPAQUE DOORS CABINETS.



Registration N°: IDEP-00004-V01.01-EN	Drafting rules: « PCR-ed4-EN-2021 09 06» and « PSR-0005-ed3.1-EN-2023 12 08 »
Verifier accreditation N°: VH55	Information and reference documents: www.pep-ecopassport.org
Date of issue: 09-2026	Validity period: 5 years
Independent verification of the declaration and data, in compliance with ISO 14025:2006 Internal ☐ External ☒	
The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDEMAIN)	
PEP is compliant with XP C08-100-1:2016 and EN 50693:2019 or NF E38-500 :2022	
The components of the present PEP may not be compared with components from any other program.	
Document complies with ISO 14025:2006 « Environmental labels and declaration. Type III environmental declarations »	





Product environmental profile

GENERAL INFORMATION

Reference product	Unequipped cabinet of cold rolled steel, commercial reference: ENL18016040PO/DC			
Functional unit	Protect people from direct contact with live active parts and ensure the grouping of control, command and protection devices in a single enclosure or cabinet having the following 1800 x 1600 x 400 mm, while protecting them against mechanical impacts (IK 10) and the penetration of solid objects and liquids (IP 55), according to the appropriate use scenario, and for the reference service life of the product of 20 years. The declared unit corresponds to the functional unit			
Geographical representativity	Manufacturing in Spain; Distribution, installation, use and end of life in France.			
Time representativity	Data collections are representative of the period 2025.			
Reference service life	20 years			
Other products covered	BIGG1658060PO	ESQ2006050	ENL18012040PO/DC/AS	PLA16580PK
	BIG16514050POD	ESQ2005060	ENL20010060PO/DC/AS	PLA16560PK
	BIGG2008040PO	MEX1804050	ENL20010050PO/DC	PLA16540PK
	BIG2008030PO	ESQ2005080	ENL16512050PO/DC	48715
	BIG18014040POD	ESQ2006060	ENL20010080PO/SP	PODCS180140
	BIG2009040PO	MEX1804060	ENL18012040PO/DC	PLA20060/ANSI70
	BIGG1658040PO	MEX2003080	ENL20010060PO/DC	PATG20080
	BIG20016050POD	ESQ1806080	ENL16512060PO/DC	29458
	BIG20016040POD	MEX2203060	ENL18012050PO/DC	29451/PLA
	BIG20012050POD	MEX2004040	ENL20010080PO/DC	PO20090
	BIG20012040POD	MEX2004050	ENL18012060PO/DC	PAT220120
	BIG20010050POD	ESQ2006080	ENL20012040PO/DC/AS	PAT220100
	BIG20010040POD	MEX1804080	ENL20012040PO/DC	PO22060
	BIG18012050POD	MEX2203080	ENL20012050PO/DC/AS	PO22040
	BIG18010050POD	MEX2004060	ENL20012050PO/DC	PO22030
	BIG18010040POD	MEX2004080	ENL22010080PO/DC	PO20030
	BIG16512040POD	MEX2204060	ENL20012060PO/DC	PO18030
	BIG16510040POD	ENL1656050PO/SP	PROENLS22060100POSP	PAT22080
	BIG20010050PO	ENL1806040PO/SP	ENL20012080PO/DC	PAT22060
	BIG20010040PO	MEX2204080	ENL20010080POD/POD	PAT22040
	BIG2008050PO	ESQ2008080	ENL22012080PO/DC	PAT200120
	BIG2008040PO	ENL1656060PO/SP	ENL20012060POD/POD	PAT200100



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	BIG2006040PO	ENL1806050PO/SP	ENL18016040PO/DC	PAT20080
	BIG18010050PO	ENL2005060POSP/IZ	ENL18016050PO/DC	PAT20060
	BIG18010040PO	ENL1806060PO/SP	ENL20012080POD/POD	PAT20040
	BIG1808050PO	MEX20040100	ENL200100100/P05311	PAT180120
	BIG1808040PO	ENL2006040PO/SP	ENL18016060PO/DC	PAT180100
	BIG1806040PO	ENL1806080PO/SP	ENL20016040PO/DC	PAT18080
	BIG16510040PO	ENL2006050PO/SP	ENL20016050PO/DC	PAT18060
	BIG1658040PO	ENL2006060PO/SP	ENL20016060PO/DC	PAT18040
	BIG1656040PO	ENL1658050PO/SP	ENL20016080PO/DC	PAT165120
	BIG18012040POD	ENL2006080P05311-18	FSC1808040PO/DC	PAT165100
	BIG16510040POD/SP	ENL1808040PO/SP	FSC20012040PO/DC/AS	PAT16580
	BIG20010050PO/SP	ENL1658060PO/SP	FSC16510050PO/DC	PAT16560
	BIG2008040PO/SP	ENL2006080PO/SP	FSC16510050PO/SP	PSI16040
	BIG1656040PO/SP	ENL2206060PO/SP	FSC1658050PO/SP	PSI80100
	PLA16540	ENL1808050PO/SP	FSC20016050PO/DC	PSI60100
	PLA18040	ENL1808060PO/SP	FSC20016040PO/DC	PSI4080
	PLA20040	ENL20060100PO/SP	FSC18016050PO/DC	PSI4060
	PLA16550	ENL1808060PO/DC	FSC18016040PO/DC	PSI4040
	PLA22040	ENL2008040PO/SP	FSC18010050PO/DC	PV2200
	PLA18050	ENL2206080PO/SP	FSC20010050PO/DC	PV2000
	PLA16560	ENL2008040PO/DC	FSC16510040PO/DC	PV1800
	PLA20050	ENL2008080POSP/HIMO	FSC20010040PO/DC	PV1650
	PLA18060	ENL2008050PO/SP	FSC18010040PO/DC	PODCS200160
	PLA20060	ENL1808080PO/SP	FSC20012040PO/DC	PODCS180160
	PLA22060	ENL22060100PO/SP	FSC18012040PO/DC	PO22080
	PLA16580	ENL2008060PO/SP	FSC16512040PO/DC	PO18040
	PLA22060/7032	ENL16510050PO/SP	FSC20012050PO/DC	PO20040
	PLA18080	ENL2008080PO/SP	FSC20010050PO/SP	PODCS220120
	PLA20080/CHT	ENL18010040POSP/IZ	FSC2008050PO/SP	PODCS220100
	PLA20080	ENL18010040PO/SP	FSC18012050PO/DC	PSI8080
	ESQ1804040	ENL2208060PO/SP	FSC18010050PO/SP	PSI6080
	PLA22080	ENL16510060PO/SP	FSC1808050PO/SP	PO200100
	ESQ1804050	ENL2009040PO/SP	FSC20010040PO/SP	PO20080



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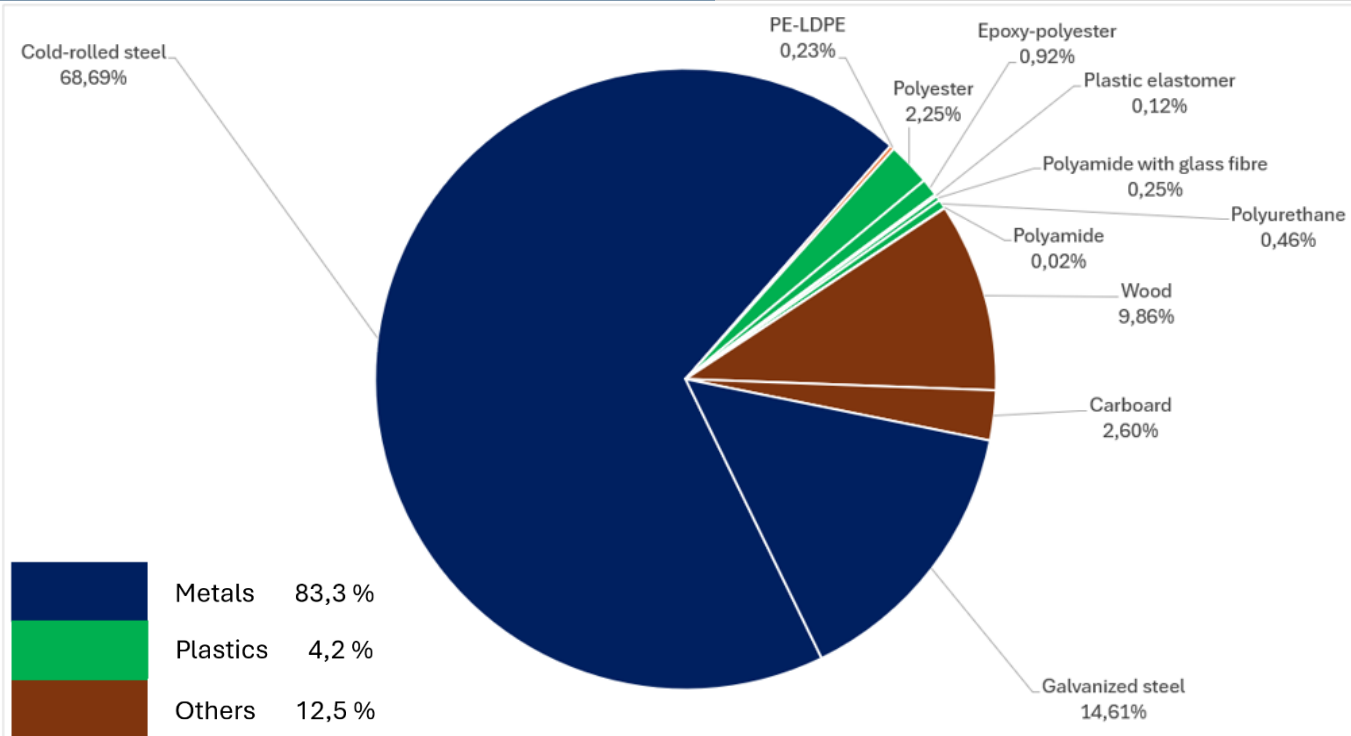
	ESQ1804060	ENL18010050PO/SP	FSC2008040PO/SP	PO20060
	ESQ2004040	ENL18010040PO/DC/AS	FSC2006040PO/SP	PO180100
	ESQ2004050	ENL16510050PO/DC	FSC18010040PO/SP	PO18080
	ESQ1805050	ENL20080100PO/SP	FSC1808040PO/SP	PO18060
	PLA200100	ENL2208080PO/SP	FSC1806040PO/SP	PO165100
	MEX1803040	ENL18010060PO/SP	FSC16510040PO/SP	PO16580
	PLA200100/7032	ENL18010040PO/DC	FSC1658040PO/SP	PO16560
	ESQ2004060	ENL16510060PO/DC	FSC1656040PO/SP	PSI12080
	ESQ1805060	ENL20010040PO/SP	PLA22080PK	PSI12060
	MEX1803050	ENL20010080POSPHIMO	PLA22060PK	PSI12040
	MEX1803060	ENL18010050PO/DC	PLA22040PK	PSI10080
	ESQ2005050	ENL22080100PO/SP	PLA220100PK	PSI10060
	MEX2003040	ENL20010050PO/SP	PLA20080PK	PSI10040
	PLA220100	PRO/FSC1808050POSP	PLA20060PK	PSI8060
	ESQ2004080	ENL18010080PO/SP	PLA20050PK	PSI8040
	ESQ1806060	ENL18010060PO/DC	PLA20040PK	PSI6060
	MEX1803080	ENL20010040PO/DC/AS	PLA200100PK	PSI6040
	MEX2003050	ENL20010060PO/SP	PLA18080PK	PODCS200120
	MEX1804040	ENL20010040PO/DC	PLA18060PK	PODCS180120
	MEX2003060	ENL18010080PO/DC	PLA18040PK	PODCS165120
	PODCS200100	PODCS180100	PODCS165100	

These products have an identical function, are covered by the same product standards, and have identical manufacturing technology in terms of material type and manufacturing process. The differences between products in the range concern the quantities of materials made by IDE Electric. These products therefore form a homogeneous environmental product family as defined in PCR-ed4-EN-2021 09 06. The products minimum ENL1656050PO/SP, the average product ENL18016040PO/DC and the maximum BIG20016050POD were used to define the extrapolation rules included in this document.

CONSTITUENT MATERIALS

Total mass of the reference product

174,3 kg including 22,0 kg of packaging



Constituent materials					
Metals		Plastics		Others	
Cold-rolled steel	68,7 %	Polyester	2,2 %	Wood	9,9 %
Galvanized steel	14,6 %	Epoxy-polyester	0,9 %	Cardboard	2,6 %
		Polyurethane	0,5 %		
		Polyamide with glass fibre	0,3 %		
		PE-LDPE	0,2 %		
		Plastic elastomer	0,1 %		
		Polyamide	<0,1 %		
Total	83,3 %	Total	4,2 %	Total	12,5%

LIFE CYCLE ASSESMENT METHODOLOGY

The environmental information of this PEP covers all the stages of the life cycle of the product “from cradle to grave.”

Manufacturing			Distribution	Installation	Use							End of life				Module D
Raw material extraction and processing	Transport the manufacturer	Manufacturing	Distribution to the place of operation	Installation in the place of operation	Use or application of the product installed	Maintenance	Repair	Replacement	Restoration	Energy requirements during the use stage	Water requirements during the use stage	Deinstallation	Transport to the waste treatment site	Treatment of waste in view of its reuse, recovery, and/or recycling	Disposal	Benefits and loads beyond the system boundaries
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D

Manufacturing stage	<p>Manufacturing stage includes raw material and packaging production, upstream transport, component manufacturing, product assembly at IDE Electric manufacturing site in Zuera (Spain), and treatment of manufacturing waste.</p> <p>Material losses were modelled using a specific loss rate for sheet steel and default PSR values for other materials where no specific data were available. Assembly was modelled with site-specific electricity, water and gas consumption. Manufacturing waste treatment was modelled using site-specific data when available and default PCR/PSR assumptions otherwise.</p> <p>The energy model used is Electricity, low voltage {ES}</p>
Distribution stage	<p>The distribution of the packaged product from the last logistic platform to the installation place (France) was modelled by a >32 t lorry transport truck over a distance of 3 500 km.</p>
Installation stage	<p>The installation stage includes the disposal of the packaging and the transport of packaging material to disposal. For installation, only standard tools are needed.</p>
Use stage	<p>As the product does not consume energy nor need any maintenance during its use stage, there is no use stage for this product.</p>
End of life stage	<p>The end-of-life stage is modelled according to the PCR-ed4-EN-2021 09 06.</p>

ENVIRONMENTAL IMPACTS OF THE FUNCTIONAL UNIT

The contribution analysis of elementary flows in environmental indicators is based on calculations from the life cycle analysis software Simapro 10.2.0.2

As the functional unit is the same than the declared unit, the impacts are identical for both units.

ENVIRONMENTAL IMPACTS OF THE REFERENCE PRODUCT ENL18016040PO/DC AT THE SCALE OF THE FUNCTIONAL UNIT AND DECLARED UNIT

MANDATORY INDICATORS								
Impacts indicators	Unit	Manufacturing	Distribution	Installation	Use	End-of-life	TOTAL (Off D)	Benefits and loads
		A1-A3	A4	A5	B1-B7	C1-C4		D
Climate change - total	kg CO2 eq	7,27E+02	3,92E+01	1,51E+01	0,00E+00	8,82E+01	8,69E+02	-2,04E+02
Climate change – fossil fuels	kg CO2 eq	7,28E+02	3,92E+01	3,76E+00	0,00E+00	8,72E+01	8,58E+02	-2,04E+02
Climate change - biogenics	kg CO2 eq	-1,76E+00	2,10E-02	1,13E+01	0,00E+00	9,31E-01	1,05E+01	7,45E-01
Climate change – land use and land use transformation	kg CO2 eq	3,80E-01	1,39E-02	2,62E-02	0,00E+00	9,18E-02	5,12E-01	-4,00E-02
Ozone depletion	kg CFC-11 eq	4,58E-06	8,17E-07	8,47E-08	0,00E+00	1,07E-06	6,56E-06	-8,33E-07
Acidification	mol H+ eq	1,83E+00	9,25E-02	1,36E-02	0,00E+00	3,16E-01	2,26E+00	-7,04E-01
Freshwater eutrophication	kg [PO4] ³⁻ eq	5,70E-02	2,76E-03	1,90E-03	0,00E+00	3,76E-02	9,93E-02	-7,90E-02
Marine aquatic eutrophication	kg N eq	3,99E-01	2,43E-02	1,09E-02	0,00E+00	7,12E-02	5,06E-01	-1,68E-01
Terrestrial eutrophication	mol N eq	4,09E+00	2,63E-01	4,97E-02	0,00E+00	7,32E-01	5,13E+00	-1,81E+00
Photochemical ozone formation	kg COVM eq	1,66E+00	1,61E-01	1,32E-02	0,00E+00	2,58E-01	2,09E+00	-6,24E-01
Abiotic resource depletion – elements or resource depletion – metals and minerals	kg Sb eq	1,62E-03	1,09E-04	1,13E-05	0,00E+00	4,01E-04	2,14E-03	-1,01E-04



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Abiotic resources depletion – fossil fuels or resource depletion - fossils	MJ	8,92E+03	5,88E+02	4,43E+01	0,00E+00	1,10E+03	1,06E+04	-2,11E+03
Water requirement	m3 eq	-1,19E+03	2,80E+00	-6,90E-02	0,00E+00	3,45E+01	-1,16E+03	-1,29E+01

Inventory flows	Unit	Manufacturing	Distribution	Installation	Use	End-of-life	TOTAL (Off D)	Benefits and loads
		A1-A3	A4	A5	B1-B7	C1-C4		D
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	4,32E+02	9,07E+00	1,65E+02	0,00E+00	1,52E+02	7,59E+02	-4,08E+01
Use of renewable primary energy resources used as raw materials	MJ	3,16E+02	0,00E+00	-1,58E+02	0,00E+00	0,00E+00	1,58E+02	0,00E+00
Total use of renewable primary energy resources	MJ	7,48E+02	9,07E+00	6,98E+00	0,00E+00	1,52E+02	9,17E+02	-4,08E+01
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	MJ	3,89E+03	5,88E+02	5,18E+01	0,00E+00	1,25E+03	5,77E+03	-2,11E+03
Use of non-renewable primary energy resources used as raw materials	MJ	5,03E+03	0,00E+00	-7,47E+00	0,00E+00	-1,45E+02	4,88E+03	0,00E+00
Total use of non-renewable primary energy resources	MJ	8,92E+03	5,88E+02	4,43E+01	0,00E+00	1,10E+03	1,06E+04	-2,11E+03
Use of secondary materials	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non-renewable secondary fuels	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water	m³	4,53E+00	8,80E-02	1,53E-02	0,00E+00	1,15E+00	5,78E+00	-3,88E-01
Hazardous waste disposed of	kg	1,34E+00	1,65E-02	9,17E-02	0,00E+00	6,06E-02	1,52E+00	-3,51E-02
Non-hazardous waste disposed of	kg	1,13E+02	5,02E+01	1,14E+01	0,00E+00	5,04E+01	2,27E+02	-4,78E+00
Radioactive waste disposed of	kg	8,33E-03	1,77E-04	6,39E-05	0,00E+00	4,23E-03	1,29E-02	-5,87E-04

Components for reuse	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	kg	5,13E+01	0,00E+00	4,20E+00	0,00E+00	1,16E+02	1,71E+02	0,00E+00
Materials for energy recovery	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Biogenic carbon content of the product	kg de C	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Biogenic carbon content of the associated packaging	kg de C	9,44E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,44E+00	0,00E+00

OPTIONAL INDICATORS								
Impact indicators	Unit	Manufacturing	Distribution	Installation	Use	End-of-life	TOTAL (Off D)	Benefits and loads
		A1-A3	A4	A5	B1-B7	C1-C4		D
Total use of primary energy during the life cycle	MJ	9,57E+03	5,97E+02	5,13E+01	0,00E+00	1,25E+03	1,15E+04	-2,15E+03
Emission of fine particles, expressed in incidence of diseases	death/Kg eq PM2.5	3,11E-05	3,82E-06	1,42E-07	0,00E+00	7,65E-06	4,27E-05	-1,39E-05
Ionizing radiation, human health	kBq U235 eq	3,81E+03	7,14E-01	2,51E-01	0,00E+00	1,65E+01	3,83E+03	-2,36E+00
Ecotoxicity (fresh water)	CTUe	2,55E+03	1,39E+02	4,66E+01	0,00E+00	6,10E+02	3,34E+03	-1,74E+04
Human toxicity, carcinogenic effects	CTUh	1,57E-06	2,51E-07	1,24E-08	0,00E+00	8,48E-07	2,68E-06	-6,60E-05
Human toxicity, non-carcinogenic effects	CTUh	3,43E-06	3,77E-07	6,99E-08	0,00E+00	1,19E-06	5,06E-06	-6,92E-07
Impacts related to land use/soil quality	No dimension	3,87E+03	5,91E+02	3,70E+01	0,00E+00	4,78E+02	4,97E+03	-3,96E+02

EXTRAPOLATION RULES

In a PEP sheet valid for a range of products, a weighting factor of the environmental indicators is applied for all the references of the same range of products. The extrapolation coefficients are given for the environmental impacts at the scale of the product and the functional unit. For each lifecycle stage, the environmental impacts of the considered product are calculated by multiplying the impacts of the reference product by the extrapolation coefficients. To obtain the total, the environmental impacts of each lifecycle stage must be added. The PSR-0005-ed3.1-EN-2023 12 08, no extrapolation rules are available which means that they must be generated if we want to cover an entire homogeneous family.

To do so, the extrapolations rules were calculated based on the environmental impact assessment results of three products: the minimum product ENL1656050PO/SP, the average product ENL18016040PO/DC, and the maximum product BIG20016050POD. For each stage of the life cycle adapted to each impact indicator, extrapolation coefficients were generated and compiled in the table below.

The extrapolation coefficients are based on two types of functions:

- Second degree polynomial function, $f(X) = a \cdot X^2 + b \cdot X + c$,
- Linear function, $f(X) = a \cdot X + b$.

For each stage, the extrapolation rules have been calculated thanks to different parameters that are reported in the following table:

Life cycle stage	X parameter
Manufacturing	Mass packed product in kg
Distribution	Mass packed product in kg
Installation	Mass packaging kg
Use	NA
End of life	Mass product in kg
Benefits and loads beyond the life cycle	Mass packed product in kg

Table 1- X parameter of the extrapolation rules

The impact of the use phase is zero because the electrical cabinet consumes nothing during its lifespan.



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As the functional unit is the same than the declared unit, the extrapolation coefficients are identical for both units.

When the coefficient c is not listed in the following table, it means that the extrapolation rule follows the linear function.

Life cycle stages / Impact indicators	Manufacturing			Distribution			Installation			End-of-life			Benefits and loads beyond the life cycle		
	a	b	c	a	b	c	a	b	c	a	b	c	a	b	c
Climate change - total	-1,19E-02	7,44E+00	-2,05E+02	2,27E-01	-7,32E-02	NA	6,71E-01	2,11E-01	NA	-1,02E-03	7,83E-01	-6,73E+00	-1,48E-03	-7,42E-01	-3,10E+01
Climate change - fossil fuels	-1,25E-02	7,58E+00	-2,11E+02	2,26E-01	-1,85E-02	NA	1,48E-01	5,02E-01	NA	-1,05E-03	7,82E-01	-7,09E+00	-1,48E-03	-7,44E-01	-3,11E+01
Climate change - biogenics	5,85E-04	-1,47E-01	6,22E+00	1,21E-04	-2,52E-05	NA	5,21E-01	-2,92E-01	NA	6,01E-03	2,60E-02	0,00E+00	5,41E-06	2,71E-03	1,13E-01
Climate change - land use and land use transformation	-7,27E-06	3,87E-03	-7,14E-02	8,02E-05	-1,78E-05	NA	1,23E-03	-8,84E-04	NA	5,71E-04	5,28E-03	0,00E+00	-2,90E-07	-1,46E-04	-6,08E-03
Ozone depletion	-1,55E-10	6,91E-08	-2,72E-06	4,71E-09	3,10E-10	NA	3,94E-09	-1,80E-09	NA	1,14E-08	-1,93E-11	-2,08E-07	-6,05E-12	-3,03E-09	-1,27E-07
Acidification	-3,24E-05	1,90E-02	-4,89E-01	5,33E-04	-7,28E-05	NA	6,24E-04	-1,49E-04	NA	-1,36E-06	2,29E-03	3,50E-04	-5,11E-06	-2,56E-03	-1,07E-01
Freshwater eutrophication	-2,39E-06	9,17E-04	-3,01E-02	1,59E-05	-1,12E-06	NA	8,83E-05	-3,91E-05	NA	-1,21E-07	2,77E-04	-1,46E-03	-5,73E-07	-2,87E-04	-1,20E-02
Marine aquatic eutrophication	-6,70E-06	4,08E-03	-1,06E-01	1,40E-04	3,03E-05	NA	5,01E-04	-2,41E-04	NA	-3,51E-07	5,13E-04	1,75E-03	-1,22E-06	-6,13E-04	-2,56E-02
Terrestrial eutrophication	-6,57E-05	4,12E-02	-1,08E+00	1,52E-03	-2,54E-04	NA	2,29E-03	-6,91E-04	NA	-4,33E-06	5,55E-03	-8,68E-03	-1,31E-05	-6,58E-03	-2,75E-01
Photochemical ozone formation	-3,22E-05	1,85E-02	-5,82E-01	9,27E-04	-8,65E-06	NA	6,05E-04	-1,37E-04	NA	-3,20E-06	2,34E-03	-2,33E-02	-4,53E-06	-2,27E-03	-9,49E-02
Abiotic resource depletion - elements or resource depletion - metals and minerals	-1,50E-08	1,27E-05	-1,30E-04	6,33E-07	-4,64E-07	NA	5,09E-07	1,13E-07	NA	-1,73E-09	2,94E-06	-3,39E-06	-7,32E-10	-3,67E-07	-1,53E-05
Abiotic resources depletion - fossil fuels or resource depletion - fossils	-1,63E-01	9,50E+01	-2,66E+03	3,40E+00	-1,16E+00	NA	2,04E+00	-4,48E-01	NA	-1,09E-02	9,41E+00	-7,44E+01	-1,53E-02	-7,69E+00	-3,21E+02
Water requirement	-5,81E-02	8,93E+00	-9,96E+02	1,62E-02	-1,77E-03	NA	-2,67E-03	-1,05E-02	NA	3,21E-05	2,09E-01	2,14E+00	-9,39E-05	-4,71E-02	-1,97E+00
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	-9,24E-03	4,27E+00	-2,94E+01	5,22E-02	1,15E-02	NA	8,86E+00	-2,95E+01	NA	2,19E-04	9,07E-01	1,02E+01	-2,96E-04	-1,49E-01	-6,21E+00
Use of renewable primary energy resources used as raw materials	-8,47E-03	3,77E+00	-8,31E+01	0,00E+00	0,00E+00	NA	-8,54E+00	2,94E+01	NA	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00



Product environmental profile

Total use of renewable primary energy resources	-1,77E-02	8,04E+00	-1,13E+02	5,22E-02	1,15E-02	NA	3,19E-01	-7,16E-02	NA	2,19E-04	9,07E-01	1,02E+01	-2,96E-04	-1,49E-01	-6,21E+00
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	-1,55E-01	6,57E+01	-2,83E+03	3,40E+00	-1,16E+00	NA	1,88E+00	1,06E+01	NA	-1,50E-02	1,13E+01	-1,23E+02	-1,53E-02	-7,69E+00	-3,21E+02
Use of non-renewable primary energy resources used as raw materials	-7,64E-03	2,94E+01	1,71E+02	0,00E+00	0,00E+00	NA	1,67E-01	-1,11E+01	NA	3,97E-03	-1,86E+00	4,58E+01	0,00E+00	0,00E+00	0,00E+00
Total use of non-renewable primary energy resources	-1,63E-01	9,50E+01	-2,66E+03	3,40E+00	-1,16E+00	NA	2,04E+00	-4,60E-01	NA	-1,10E-02	9,45E+00	-7,64E+01	-1,53E-02	-7,69E+00	-3,21E+02
Use of secondary materials	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non-renewable secondary fuels	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water	3,75E-06	2,26E-02	5,06E-01	5,08E-04	-4,15E-05	NA	7,52E-04	-8,83E-04	NA	1,32E-06	6,93E-03	7,39E-02	-2,82E-06	-1,41E-03	-5,90E-02
Hazardous waste disposed of	-2,49E-05	1,32E-02	-1,97E-01	9,49E-05	-2,76E-06	NA	4,04E-03	3,00E-03	NA	7,39E-07	-1,09E-04	6,03E-02	-2,55E-07	-1,28E-04	-5,33E-03
Non-hazardous waste disposed of	-4,08E-03	2,02E+00	-1,13E+02	2,91E-01	-1,39E-01	NA	5,20E-01	4,67E-03	NA	-9,14E-04	5,07E-01	-5,36E+00	-3,47E-05	-1,74E-02	-7,26E-01
Radioactive waste disposed of	-2,93E-07	1,16E-04	-2,97E-03	1,02E-06	-6,23E-08	NA	2,86E-06	1,09E-06	NA	8,08E-09	2,47E-05	3,14E-04	-4,26E-09	-2,14E-06	-8,92E-05
Components for reuse	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	-2,46E-03	9,28E-01	-3,57E+01	0,00E+00	0,00E+00	NA	1,93E-01	-3,80E-02	NA	-3,83E-03	1,54E+00	-2,89E+01	0,00E+00	0,00E+00	0,00E+00
Materials for energy recovery	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Biogenic carbon content of the product	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Biogenic carbon content of the associated packaging	-2,53E-04	1,13E-01	-2,48E+00	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	NA	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of primary energy during the life cycle	-1,71E-01	9,97E+01	-2,57E+03	3,45E+00	-1,48E+00	NA	2,36E+00	-4,67E-01	NA	-1,09E-02	1,04E+01	-6,76E+01	7,32E-02	-2,99E+01	8,26E+02
Emission of fine particles, expressed in incidence of diseases	-6,70E-10	3,74E-07	-1,36E-05	2,21E-08	-1,01E-08	NA	6,46E-09	-2,08E-10	NA	-5,67E-11	5,99E-08	-1,12E-07	-1,01E-10	-5,05E-08	-2,11E-06



Product environmental profile

Ionizing radiation, human health	8,09E-02	-2,67E-01	1,43E+03	4,13E-03	-1,02E-03	NA	1,12E-02	4,06E-03	NA	3,00E-05	9,67E-02	1,20E+00	-1,71E-05	-8,59E-03	-3,59E-01
Ecotoxicity (fresh water)	-5,78E-02	2,96E+01	-8,44E+02	8,04E-01	-2,76E-01	NA	1,80E+00	-7,24E-01	NA	-1,16E-02	7,27E+00	-2,24E+02	-9,43E-02	-7,13E+01	-2,23E+03
Human toxicity, carcinogenic effects	-4,66E-11	2,23E-08	-8,86E-07	1,45E-09	-2,25E-10	NA	5,52E-10	2,44E-10	NA	-3,25E-12	6,03E-09	1,01E-08	-4,14E-10	-2,57E-07	-9,19E-06
Human toxicity, non-carcinogenic effects	-7,26E-11	3,96E-08	-1,25E-06	2,18E-09	-1,35E-09	NA	3,15E-09	-3,44E-10	NA	-5,25E-12	8,52E-09	2,15E-08	-5,02E-12	-2,52E-09	-1,05E-07
Impacts related to land use/soil quality	-1,07E-01	4,99E+01	-1,57E+03	3,42E+00	-9,12E-01	NA	1,71E+00	-5,94E-01	NA	-1,09E-02	5,33E+00	-7,95E+01	-2,87E-03	-1,44E+00	-6,01E+01

ADDITIONAL ENVIRONMENTAL INFORMATION

The products included in this PEP are in compliance with Directive 2011/65/UE (RoHS2) including all amendments through to Directive 2015/863/UE (RoHS 3) of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment

The products included in this PEP do not contain Substances of Very High Concern (SVHC) included in the latest candidate list published and updated by ECHA of 4 February 2026 and are in compliance with ANNEX XVII of the REACH Regulation and are free from all substances listed in item 50 of said ANNEX which references Polycyclic-Aromatic Hydrocarbons (PAH)

The products included in this PEP included in this PEP do not contain volatile organic compounds (VOCs).

The manufacturing plant in Zuera, Spain is ISO 14001 certified.



Product environmental profile

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