

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU	Gender	Wastage Percentage
PANTS	25AWALX4406A	Women	5%

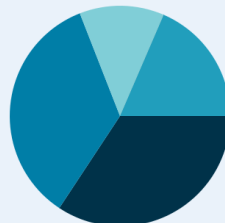
Property Name	Property Value	SQM
Length	ankle	0.9025
Shape	straight	0
Rise	regular	0
Cargo	yes	0.03
EU SIZE	S woman	0.18141289437586086

Total Carbon Footprint

2.63 kg CO₂e

Estimated Offsetting Cost In EUR *

0.26 €



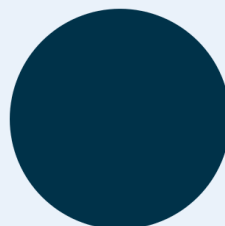
- Raw Material (34.22%)
- Yarn Production (34.72%)
- Fabric Production (12.40%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (18.48%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

0.9 kg CO₂e

Estimated Offsetting Cost In EUR *

0.09 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

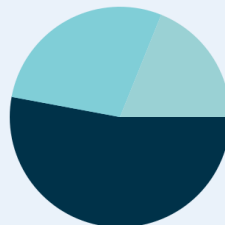
0 €

Process Carbon Footprint

1.73 kg CO₂e

Estimated Offsetting Cost In EUR *

0.17 €



- Yarn Production (52.78%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (28.09%)
- Fabric Production (18.85%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
Crepe	Raw Material	CHINA	High Risk
Crepe	Yarn Production	CHINA	High Risk
Crepe	Fabric Production	CHINA	High Risk
Crepe	Cutting & Stitching	CHINA	High Risk
Crepe	Garment Manufacturing	CHINA	High Risk
Crepe	Finishing & Packaging	CHINA	High Risk
Lining	Raw Material	CHINA	High Risk
Lining	Yarn Production	CHINA	High Risk
Lining	Fabric Production	CHINA	High Risk
Lining	Cutting & Stitching	CHINA	High Risk
Lining	Garment Manufacturing	CHINA	High Risk
Lining	Finishing & Packaging	CHINA	High Risk
Satin	Raw Material	CHINA	High Risk
Satin	Yarn Production	CHINA	High Risk
Satin	Fabric Production	CHINA	High Risk
Satin	Cutting & Stitching	CHINA	High Risk
Satin	Garment Manufacturing	CHINA	High Risk
Satin	Finishing & Packaging	CHINA	High Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	0	4.64	46.4
Yarn Production	0	3.71	32.48
Fabric Production	0	3.48	34.8
Garment Manufacturing	0	5.1	57.07
Total (Liters)	0	16.93	170.75

Land Impact Summary	
Total Land Use (m2)	0

Crepe - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	100%	3.1	103.1164	319.6607
Total	100%	3.1	103.12	319.66

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Total				0

Crepe - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester China (CHINA) 26.5729
Winding (CO2e g)	Polyester China (CHINA) 61.1176
Sizing (CO2e g)	Polyester China (CHINA) 1.2716
Ring Spinning (CO2e g)	Polyester China (CHINA) 127.5498
Warping (CO2e g)	Polyester China (CHINA) 4.3235
Roving (Co2e g)	Polyester China (CHINA) 10.6292
Dyeing (CO2e g)	Polyester China (CHINA) 33.0621
Blowing (CO2e g)	Polyester China (CHINA) 23.9156
Drawing (CO2e g)	Polyester China (CHINA) 15.9437
Total	304.38599999999997

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Total				0

Crepe - Cutting & Stitching

Process Name	Material
Major cutting	Polyester China (CHINA) 0.0035
Total	0.0035

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Total				0

Crepe - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyester China (CHINA) 70.1387
Finishing Emissions (CO2g)	Polyester China (CHINA) 42.7675
Laundry Emissions (CO2e g)	Polyester China (CHINA) 42.7675
Washing & Drying Emissions	Polyester China (CHINA) 6.2726
Total	161.9463

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.2003	21

Crepe - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester China (CHINA) 0.114
Coating (CO2e g)	Polyester China (CHINA) 0
Bonding (CO2e g)	Polyester China (CHINA) 0.2366
Weaving (CO2e g)	Polyester China (CHINA) 108.3444
Total	108.695

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Total				0

Crepe - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	CHINA	0.0862	1

Lining - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester generic	100%	2.8	103.1164	288.7258

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Total	100%	2.8	103.12	288.73

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
Total				0

Lining - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester generic (CHINA) 26.5729
Winding (CO2e g)	Polyester generic (CHINA) 61.1176
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Blowing (CO2e g)	Polyester generic (CHINA) 23.9156
Drawing (CO2e g)	Polyester generic (CHINA) 15.9437
Total	304.38599999999997

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
Total				0

Lining - Cutting & Stitching

Process Name	Material
Major cutting	Polyester generic (CHINA) 0.0035
Total	0.0035

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
Total				0

Lining - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyester generic (CHINA) 70.1387
Finishing Emissions (CO2g)	Polyester generic (CHINA) 42.7675
Laundry Emissions (CO2e g)	Polyester generic (CHINA) 42.7675
Washing & Drying Emissions	Polyester generic (CHINA) 6.2726
Total	161.9463

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.2003	21

Lining - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester generic (CHINA) 0.114
Coating (CO2e g)	Polyester generic (CHINA) 0
Bonding (CO2e g)	Polyester generic (CHINA) 0.2366
Weaving (CO2e g)	Polyester generic (CHINA) 108.3444
Total	108.695

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
Total				0

Lining - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	CHINA	0.0862	1

Satin - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester generic	100%	2.8	103.1164	288.7258
Total	100%	2.8	103.12	288.73

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
Total				0

Satin - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester generic (CHINA) 26.5729
Winding (CO2e g)	Polyester generic (CHINA) 61.1176
Sizing (CO2e g)	Polyester generic (CHINA) 1.2716
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Drawing (CO2e g)	Polyester generic (CHINA) 15.9437
Total	304.38599999999997

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
Total				0

Satin - Cutting & Stitching

Process Name	Material
Major cutting	Polyester generic (CHINA) 0.0035
Total	0.0035

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
Total				0

Satin - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyester generic (CHINA) 70.1387
Finishing Emissions (CO2g)	Polyester generic (CHINA) 42.7675
Laundry Emissions (CO2e g)	Polyester generic (CHINA) 42.7675
Washing & Drying Emissions	Polyester generic (CHINA) 6.2726
Total	161.9463

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.2003	21

Satin - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester generic (CHINA) 0.114
Coating (CO2e g)	Polyester generic (CHINA) 0
Bonding (CO2e g)	Polyester generic (CHINA) 0.2366
Weaving (CO2e g)	Polyester generic (CHINA) 108.3444

Process Name	Material
Total	108.695

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
Total				0

Satin - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	CHINA	0.0862	1

Final Transportation

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	UNITED KINGDOM	AIR - 0	0
Total				0

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