

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWGAL54960

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	slim	1.44
Sleeves	no sleeves	0
Neck	boat	-0.045
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

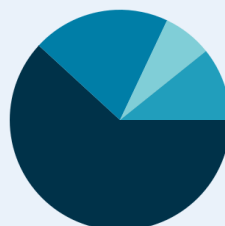
Property Name	Property Value	SQM
Length	calf	0.5658
Shape	accordion	400
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

10.37 kg CO₂e

Estimated Offsetting Cost In EUR *

1.04 €



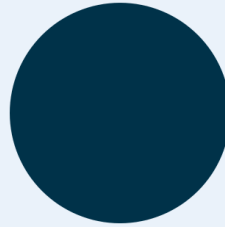
- Raw Material (61.81%)
- Yarn Production (20.21%)
- Fabric Production (7.22%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (10.75%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

6.41 kg CO₂e

Estimated Offsetting Cost In EUR *

0.64 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

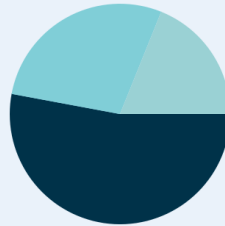
0 €

Process Carbon Footprint

3.96 kg CO₂e

Estimated Offsetting Cost In EUR *

0.4 €



● Yarn Production (52.92%)
● Cutting & Stitching (0.00%)
● Garment Manufacturing (28.16%)
● Fabric Production (18.90%)
● 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
VISCOSE SILK SATIN LINING	Raw Material	CHINA	High Risk
VISCOSE SILK SATIN LINING	Yarn Production	CHINA	High Risk
VISCOSE SILK SATIN LINING	Fabric Production	CHINA	High Risk
VISCOSE SILK SATIN LINING	Cutting & Stitching	CHINA	High Risk
VISCOSE SILK SATIN LINING	Garment Manufacturing	CHINA	High Risk

Layer	Production Phase	Country	Country Risk / Provider
VISCOSE SILK SATIN LINING	Finishing & Packaging	CHINA	High Risk
Dotty Mesh	Raw Material	CHINA	High Risk
Dotty Mesh	Yarn Production	CHINA	High Risk
Dotty Mesh	Fabric Production	CHINA	High Risk
Dotty Mesh	Cutting & Stitching	CHINA	High Risk
Dotty Mesh	Garment Manufacturing	CHINA	High Risk
Dotty Mesh	Finishing & Packaging	CHINA	High Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	2041.52	224.67	1002.54
Yarn Production	0	179.74	701.78
Fabric Production	0	168.5	751.9
Garment Manufacturing	0	288.11	1302.32
Total (Liters)	2041.52	861.02	3758.54

Land Impact Summary	
Total Land Use (m2)	0.03

Crepe - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	100%	3.1	240.758	746.3499
Total	100%	3.1	240.76	746.35

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) 62.0429
Winding (CO2e g)	Polyester China (CHINA) 142.6986
Sizing (CO2e g)	Polyester China (CHINA) 2.969
Ring Spinning (CO2e g)	Polyester China (CHINA) 297.8057
Warping (CO2e g)	Polyester China (CHINA) 10.0946
Roving (Co2e g)	Polyester China (CHINA) 24.8171
Dyeing (CO2e g)	Polyester China (CHINA) 77.1941
Blowing (CO2e g)	Polyester China (CHINA) 55.8386
Drawing (CO2e g)	Polyester China (CHINA) 37.2257
Total	710.6863000000001

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) 0.0081
Total	0.0081

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) 163.7612
Finishing Emissions (CO2g)	Polyester China (CHINA) 99.8544
Laundry Emissions (CO2e g)	Polyester China (CHINA) 99.8544
Washing & Drying Emissions	Polyester China (CHINA) 14.6453
Total	378.1153

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	0.3434	36

Crepe - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester China (CHINA) 0.2663
Coating (CO2e g)	Polyester China (CHINA) 0
Bonding (CO2e g)	Polyester China (CHINA) 0.5525
Weaving (CO2e g)	Polyester China (CHINA) 252.9645
Total	253.7833

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

VISCOSE SILK SATIN LINING - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	52%	14.54	113.8129	1654.8393
Silk generic	33%	52.5	50.5592	2654.3572
Elastane/Spandex	15%	10.7	64.0197	685.0113
Total	100%	77.74	228.39	4994.21

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Silk generic	CHINA	CHINA		0
Elastane/Spandex	CHINA	CHINA		0
Total				0

VISCOSE SILK SATIN LINING - Yarn Production

Process Name	Material		
Carding (CO2e g)	Viscose generic (CHINA) 29.3294	Silk generic (CHINA) 13.029	Elastane/Spandex (CHINA) 16.4978
Winding (CO2e g)	Viscose generic (CHINA) 67.4575	Silk generic (CHINA) 29.9667	Elastane/Spandex (CHINA) 37.9449
Sizing (CO2e g)	Viscose generic (CHINA) 1.4035	Silk generic (CHINA) 0.6235	Elastane/Spandex (CHINA) 0.7895
Ring Spinning (CO2e g)	Viscose generic (CHINA) 140.7809	Silk generic (CHINA) 62.5392	Elastane/Spandex (CHINA) 79.1893
Warping (CO2e g)	Viscose generic (CHINA) 4.772	Silk generic (CHINA) 2.1199	Elastane/Spandex (CHINA) 2.6842
Roving (Co2e g)	Viscose generic (CHINA) 11.7317	Silk generic (CHINA) 5.2116	Elastane/Spandex (CHINA) 6.5991
Dyeing (CO2e g)	Viscose generic (CHINA) 36.4918	Silk generic (CHINA) 16.2108	Elastane/Spandex (CHINA) 20.5266
Blowing (CO2e g)	Viscose generic (CHINA) 26.3964	Silk generic (CHINA) 11.7261	Elastane/Spandex (CHINA) 14.848
Drawing (CO2e g)	Viscose generic (CHINA) 17.5976	Silk generic (CHINA) 7.8174	Elastane/Spandex (CHINA) 9.8987
Total	335.9608	149.2442	188.9781

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Silk generic	CHINA	CHINA		0
Elastane/Spandex	CHINA	CHINA		0

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Total				0

VISCOSE SILK SATIN LINING - Cutting & Stitching

Process Name	Material			
Major cutting	Viscose generic (CHINA) 0.0038	Silk generic (CHINA) 0.0017	Elastane/Spandex (CHINA) 0.0022	
Total	0.0038	0.0017	0.0022	

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Silk generic	CHINA	CHINA		0
Elastane/Spandex	CHINA	CHINA		0
Total				0

VISCOSE SILK SATIN LINING - Garment Manufacturing

Process Name	Material			
Garment dyeing (CO2e g)	Viscose generic (CHINA) 77.4144	Silk generic (CHINA) 34.3899	Elastane/Spandex (CHINA) 43.5456	
Finishing Emissions (CO2g)	Viscose generic (CHINA) 47.2039	Silk generic (CHINA) 20.9694	Elastane/Spandex (CHINA) 26.5522	
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 47.2039	Silk generic (CHINA) 20.9694	Elastane/Spandex (CHINA) 26.5522	
Washing & Drying Emissions	Viscose generic (CHINA) 6.9232	Silk generic (CHINA) 3.0755	Elastane/Spandex (CHINA) 3.8943	
Total	178.74540000000002	79.4042	100.5443	

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Silk generic	CHINA	CHINA		0
Elastane/Spandex	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.3434	36

VISCOSE SILK SATIN LINING - Fabric Production

Process Name	Material			
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1259	Silk generic (CHINA) 0.0559	Elastane/Spandex (CHINA) 0.0708	
Coating (CO2e g)	Viscose generic (CHINA) 0	Silk generic (CHINA) 0	Elastane/Spandex (CHINA) 0	
Bonding (CO2e g)	Viscose generic (CHINA) 0.2612	Silk generic (CHINA) 0.116	Elastane/Spandex (CHINA) 0.1469	
Weaving (CO2e g)	Viscose generic (CHINA) 119.5832	Silk generic (CHINA) 53.1225	Elastane/Spandex (CHINA) 67.2655	

Process Name	Material		
Total	119.97030000000001	53.2944	67.4832

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Silk generic	CHINA	CHINA		0
Elastane/Spandex	CHINA	CHINA		0
Total				0

VISCOSE SILK SATIN LINING - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Silk generic	CHINA	CHINA		0
Elastane/Spandex	CHINA	CHINA		0
Total				0

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

Dotty Mesh - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester generic	100%	2.8	240.758	674.1225
Total	100%	2.8	240.76	674.12

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

Dotty Mesh - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester generic (CHINA) 62.0429
Winding (CO2e g)	Polyester generic (CHINA) 142.6986
Sizing (CO2e g)	Polyester generic (CHINA) 2.969
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Roving (Co2e g)	Polyester generic (CHINA) 24.8171
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Blowing (CO2e g)	Polyester generic (CHINA) 55.8386
Drawing (CO2e g)	Polyester generic (CHINA) 37.2257
Total	710.6863000000001

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

Dotty Mesh - Cutting & Stitching

Process Name	Material
Major cutting	Polyester generic (CHINA) 0.0081
Total	0.0081

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

Dotty Mesh - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyester generic (CHINA) 163.7612
Finishing Emissions (CO2g)	Polyester generic (CHINA) 99.8544
Laundry Emissions (CO2e g)	Polyester generic (CHINA) 99.8544
Washing & Drying Emissions	Polyester generic (CHINA) 14.6453
Total	378.1153

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	0.3434	36

Dotty Mesh - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester generic (CHINA) 0.2663
Coating (CO2e g)	Polyester generic (CHINA) 0
Bonding (CO2e g)	Polyester generic (CHINA) 0.5525
Weaving (CO2e g)	Polyester generic (CHINA) 252.9645
Total	253.7833

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

Dotty Mesh - 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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