

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU	Gender	Wastage Percentage
SKIRTS	25AWGAL54959	Women	5%

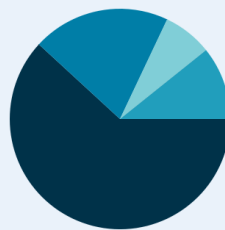
Property Name	Property Value	SQM
Length	long	0.69
Rise	regular	0
Shape	accordion	400
EU SIZE	S woman	0.18141289437586086

Total Carbon Footprint

9.86 kg CO₂e

Estimated Offsetting Cost In EUR *

0.99 €



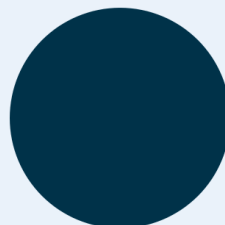
- Raw Material (61.87%)
- Yarn Production (20.21%)
- Fabric Production (7.22%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (10.75%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

6.1 kg CO₂e

Estimated Offsetting Cost In EUR *

0.61 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

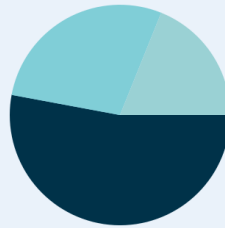
0 €

Process Carbon Footprint

3.76 kg CO₂e

Estimated Offsetting Cost In EUR *

0.38 €



- Yarn Production (52.99%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (28.20%)
- Fabric Production (18.92%)
- 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
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	1940.98	213.61	953.17
Yarn Production	0	170.89	667.22
Fabric Production	0	160.21	714.88
Garment Manufacturing	0	273.92	1238.19
Total (Liters)	1940.98	818.63	3573.46

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	228.9017	709.5954
Total	100%	3.1	228.9	709.6

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) 58.9875
Winding (CO2e g)	Polyester China (CHINA) 135.6713
Sizing (CO2e g)	Polyester China (CHINA) 2.8228
Ring Spinning (CO2e g)	Polyester China (CHINA) 283.1401
Warping (CO2e g)	Polyester China (CHINA) 9.5975
Roving (Co2e g)	Polyester China (CHINA) 23.595
Dyeing (CO2e g)	Polyester China (CHINA) 73.3926
Blowing (CO2e g)	Polyester China (CHINA) 53.0888
Drawing (CO2e g)	Polyester China (CHINA) 35.3925
Total	675.6881000000001

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) 0.0077
Total	0.0077

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) 155.6967
Finishing Emissions (CO2g)	Polyester China (CHINA) 94.937
Laundry Emissions (CO2e g)	Polyester China (CHINA) 94.937
Washing & Drying Emissions	Polyester China (CHINA) 13.9241
Total	359.4948

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	0.2099	22

Crepe - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester China (CHINA) 0.2532
Coating (CO2e g)	Polyester China (CHINA) 0
Bonding (CO2e g)	Polyester China (CHINA) 0.5253
Weaving (CO2e g)	Polyester China (CHINA) 240.5071
Total	241.28560000000002

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	108.2081	1573.3458

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk generic	33%	52.5	48.0694	2523.6418
Elastane/Spandex	15%	10.7	60.8671	651.2775
Total	100%	77.74	217.14	4748.27

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) 27.885	Silk generic (CHINA) 12.3874	Elastane/Spandex (CHINA) 15.6853
Winding (CO2e g)	Viscose generic (CHINA) 64.1355	Silk generic (CHINA) 28.491	Elastane/Spandex (CHINA) 36.0762
Sizing (CO2e g)	Viscose generic (CHINA) 1.3344	Silk generic (CHINA) 0.5928	Elastane/Spandex (CHINA) 0.7506
Ring Spinning (CO2e g)	Viscose generic (CHINA) 133.8481	Silk generic (CHINA) 59.4594	Elastane/Spandex (CHINA) 75.2895
Warping (CO2e g)	Viscose generic (CHINA) 4.537	Silk generic (CHINA) 2.0155	Elastane/Spandex (CHINA) 2.5521
Roving (Co2e g)	Viscose generic (CHINA) 11.154	Silk generic (CHINA) 4.955	Elastane/Spandex (CHINA) 6.2741
Dyeing (CO2e g)	Viscose generic (CHINA) 34.6947	Silk generic (CHINA) 15.4125	Elastane/Spandex (CHINA) 19.5158
Blowing (CO2e g)	Viscose generic (CHINA) 25.0965	Silk generic (CHINA) 11.1486	Elastane/Spandex (CHINA) 14.1168
Drawing (CO2e g)	Viscose generic (CHINA) 16.731	Silk generic (CHINA) 7.4324	Elastane/Spandex (CHINA) 9.4112
Total	319.41619999999995	141.8946	179.6716

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 - Cutting & Stitching

Process Name	Material		
Major cutting	Viscose generic (CHINA) 0.0036	Silk generic (CHINA) 0.0016	Elastane/Spandex (CHINA) 0.002
Total	0.0036	0.0016	0.002

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) 73.6021	Silk generic (CHINA) 32.6963	Elastane/Spandex (CHINA) 41.4012
Finishing Emissions (CO2g)	Viscose generic (CHINA) 44.8793	Silk generic (CHINA) 19.9368	Elastane/Spandex (CHINA) 25.2446
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 44.8793	Silk generic (CHINA) 19.9368	Elastane/Spandex (CHINA) 25.2446
Washing & Drying Emissions	Viscose generic (CHINA) 6.5823	Silk generic (CHINA) 2.9241	Elastane/Spandex (CHINA) 3.7025
Total	169.943	75.494	95.5929

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	0.2099	22

VISCOSE SILK SATIN LINING - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1197	Silk generic (CHINA) 0.0532	Elastane/Spandex (CHINA) 0.0673
Coating (CO2e g)	Viscose generic (CHINA) 0	Silk generic (CHINA) 0	Elastane/Spandex (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.2483	Silk generic (CHINA) 0.1103	Elastane/Spandex (CHINA) 0.1397
Weaving (CO2e g)	Viscose generic (CHINA) 113.6943	Silk generic (CHINA) 50.5065	Elastane/Spandex (CHINA) 63.953
Total	114.0623	50.67	64.16

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	228.9017	640.9249
Total	100%	2.8	228.9	640.92

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) 58.9875
Winding (CO2e g)	Polyester generic (CHINA) 135.6713
Sizing (CO2e g)	Polyester generic (CHINA) 2.8228
Ring Spinning (CO2e g)	Polyester generic (CHINA) 283.1401
Warping (CO2e g)	Polyester generic (CHINA) 9.5975
Roving (Co2e g)	Polyester generic (CHINA) 23.595
Dyeing (CO2e g)	Polyester generic (CHINA) 73.3926
Blowing (CO2e g)	Polyester generic (CHINA) 53.0888
Drawing (CO2e g)	Polyester generic (CHINA) 35.3925
Total	675.6881000000001

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) 0.0077
Total	0.0077

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Total				0

Dotty Mesh - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyester generic (CHINA) 155.6967
Finishing Emissions (CO2g)	Polyester generic (CHINA) 94.937
Laundry Emissions (CO2e g)	Polyester generic (CHINA) 94.937
Washing & Drying Emissions	Polyester generic (CHINA) 13.9241
Total	359.4948

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	0.2099	22

Dotty Mesh - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester generic (CHINA) 0.2532
Coating (CO2e g)	Polyester generic (CHINA) 0
Bonding (CO2e g)	Polyester generic (CHINA) 0.5253
Weaving (CO2e g)	Polyester generic (CHINA) 240.5071
Total	241.28560000000002

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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