

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWGAL54961

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%

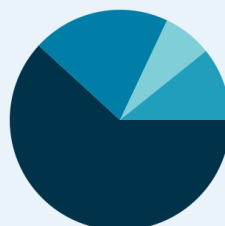
Property Name	Property Value	SQM
Length	short	0.3657
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

7.17 kg CO₂e

Estimated Offsetting Cost In EUR *

0.72 €



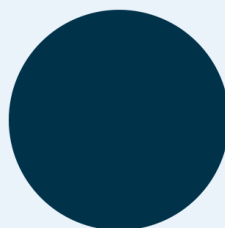
- Raw Material (61.79%)
- Yarn Production (20.20%)
- Fabric Production (7.21%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (10.75%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

4.43 kg CO₂e

Estimated Offsetting Cost In EUR *

0.44 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

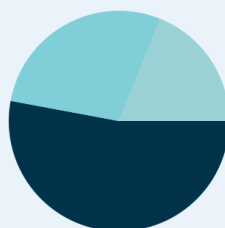
0 €

Process Carbon Footprint

2.74 kg CO₂e

Estimated Offsetting Cost In EUR *

0.27 €



● Yarn Production (52.86%)
● Cutting & Stitching (0.00%)
● Garment Manufacturing (28.14%)
● Fabric Production (18.88%)
● 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	1410.97	155.28	692.89
Yarn Production	0	124.22	485.03
Fabric Production	0	116.46	519.67
Garment Manufacturing	0	199.12	900.08
Total (Liters)	1410.97	595.08	2597.67

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	166.3973	515.8317
Total	100%	3.1	166.4	515.83

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) 42.8803
Winding (CO2e g)	Polyester China (CHINA) 98.6246
Sizing (CO2e g)	Polyester China (CHINA) 2.052
Ring Spinning (CO2e g)	Polyester China (CHINA) 205.8252
Warping (CO2e g)	Polyester China (CHINA) 6.9768
Roving (Co2e g)	Polyester China (CHINA) 17.1521
Dyeing (CO2e g)	Polyester China (CHINA) 53.3519
Blowing (CO2e g)	Polyester China (CHINA) 38.5922
Drawing (CO2e g)	Polyester China (CHINA) 25.7282
Total	491.18330000000003

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) 0.0056
Total	0.0056

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) 113.1818
Finishing Emissions (CO2g)	Polyester China (CHINA) 69.0133
Laundry Emissions (CO2e g)	Polyester China (CHINA) 69.0133
Washing & Drying Emissions	Polyester China (CHINA) 10.1219
Total	261.33029999999997

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) 0.184
Coating (CO2e g)	Polyester China (CHINA) 0
Bonding (CO2e g)	Polyester China (CHINA) 0.3819
Weaving (CO2e g)	Polyester China (CHINA) 174.8337
Total	175.3996

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	78.6606	1143.7244
Silk generic	33%	52.5	34.9434	1834.5304
Elastane/Spandex	15%	10.7	44.2466	473.4382
Total	100%	77.74	157.85	3451.69

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) 20.2707	Silk generic (CHINA) 9.0049	Elastane/Spandex (CHINA) 11.4022
Winding (CO2e g)	Viscose generic (CHINA) 46.6225	Silk generic (CHINA) 20.7112	Elastane/Spandex (CHINA) 26.2252
Sizing (CO2e g)	Viscose generic (CHINA) 0.97	Silk generic (CHINA) 0.4309	Elastane/Spandex (CHINA) 0.5456
Ring Spinning (CO2e g)	Viscose generic (CHINA) 97.2992	Silk generic (CHINA) 43.2233	Elastane/Spandex (CHINA) 54.7308
Warping (CO2e g)	Viscose generic (CHINA) 3.2981	Silk generic (CHINA) 1.4651	Elastane/Spandex (CHINA) 1.8552
Roving (Co2e g)	Viscose generic (CHINA) 8.1083	Silk generic (CHINA) 3.6019	Elastane/Spandex (CHINA) 4.5609
Dyeing (CO2e g)	Viscose generic (CHINA) 25.2209	Silk generic (CHINA) 11.2039	Elastane/Spandex (CHINA) 14.1867
Blowing (CO2e g)	Viscose generic (CHINA) 18.2436	Silk generic (CHINA) 8.1044	Elastane/Spandex (CHINA) 10.262
Drawing (CO2e g)	Viscose generic (CHINA) 12.1624	Silk generic (CHINA) 5.4029	Elastane/Spandex (CHINA) 6.8413
Total	232.1957	103.14850000000001	130.6099

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) 0.0026	Silk generic (CHINA) 0.0012	Elastane/Spandex (CHINA) 0.0015
Total	0.0026	0.0012	0.0015

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) 53.5041	Silk generic (CHINA) 23.7682	Elastane/Spandex (CHINA) 30.0961
Finishing Emissions (CO2g)	Viscose generic (CHINA) 32.6245	Silk generic (CHINA) 14.4928	Elastane/Spandex (CHINA) 18.3513
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 32.6245	Silk generic (CHINA) 14.4928	Elastane/Spandex (CHINA) 18.3513
Washing & Drying Emissions	Viscose generic (CHINA) 4.7849	Silk generic (CHINA) 2.1256	Elastane/Spandex (CHINA) 2.6915
Total	123.53800000000001	54.879400000000004	69.4902

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) 0.087	Silk generic (CHINA) 0.0386	Elastane/Spandex (CHINA) 0.0489
Coating (CO2e g)	Viscose generic (CHINA) 0	Silk generic (CHINA) 0	Elastane/Spandex (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.1805	Silk generic (CHINA) 0.0802	Elastane/Spandex (CHINA) 0.1015
Weaving (CO2e g)	Viscose generic (CHINA) 82.6486	Silk generic (CHINA) 36.7151	Elastane/Spandex (CHINA) 46.4899

Process Name	Material		
Total	82.9161	36.8339	46.640299999999996

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	166.3973	465.9125
Total	100%	2.8	166.4	465.91

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) 42.8803
Winding (CO2e g)	Polyester generic (CHINA) 98.6246
Sizing (CO2e g)	Polyester generic (CHINA) 2.052
Ring Spinning (CO2e g)	Polyester generic (CHINA) 205.8252
Warping (CO2e g)	Polyester generic (CHINA) 6.9768
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Blowing (CO2e g)	Polyester generic (CHINA) 38.5922
Drawing (CO2e g)	Polyester generic (CHINA) 25.7282
Total	491.18330000000003

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) 0.0056
Total	0.0056

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) 113.1818
Finishing Emissions (CO2g)	Polyester generic (CHINA) 69.0133
Laundry Emissions (CO2e g)	Polyester generic (CHINA) 69.0133
Washing & Drying Emissions	Polyester generic (CHINA) 10.1219
Total	261.33029999999997

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) 0.184
Coating (CO2e g)	Polyester generic (CHINA) 0
Bonding (CO2e g)	Polyester generic (CHINA) 0.3819
Weaving (CO2e g)	Polyester generic (CHINA) 174.8337
Total	175.3996

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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