

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWORR54940

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	korean	0.019
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

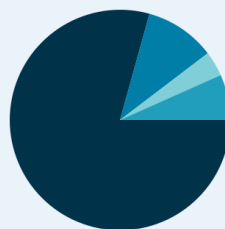
Property Name	Property Value	SQM
Length	long	0.69
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

13.55 kg CO₂e

Estimated Offsetting Cost In EUR *

1.36 €



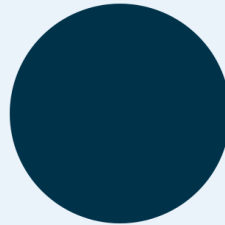
- Raw Material (79.34%)
- Yarn Production (10.33%)
- Fabric Production (3.69%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (6.67%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

10.75 kg CO₂e

Estimated Offsetting Cost In EUR *

1.08 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

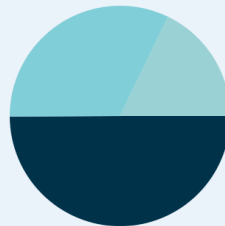
0 €

Process Carbon Footprint

2.8 kg CO₂e

Estimated Offsetting Cost In EUR *

0.28 €



● Yarn Production (49.99%)
● Cutting & Stitching (0.00%)
● Garment Manufacturing (32.29%)
● Fabric Production (17.85%)
● Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
STRETCH METALLIC LACE	Raw Material	CHINA	High Risk
STRETCH METALLIC LACE	Yarn Production	CHINA	High Risk
STRETCH METALLIC LACE	Fabric Production	CHINA	High Risk
STRETCH METALLIC LACE	Cutting & Stitching	INDIA	High Risk
STRETCH METALLIC LACE	Garment Manufacturing	INDIA	High Risk
STRETCH METALLIC LACE	Finishing & Packaging	INDIA	High Risk
22mm Viscose Silk Stretch Double Georgette	Raw Material	CHINA	High Risk
22mm Viscose Silk Stretch Double Georgette	Yarn Production	CHINA	High Risk
22mm Viscose Silk Stretch Double Georgette	Fabric Production	CHINA	High Risk
22mm Viscose Silk Stretch Double Georgette	Cutting & Stitching	CHINA	High Risk
22mm Viscose Silk Stretch Double Georgette	Garment Manufacturing	CHINA	High Risk

Layer	Production Phase	Country	Country Risk / Provider
22mm Viscose Silk Stretch Double Georgette	Finishing & Packaging	CHINA	High Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	3405.44	450.19	2115.48
Yarn Production	0	360.15	1480.84
Fabric Production	0	337.64	1586.61
Garment Manufacturing	0	531.05	2662.56
Total (Liters)	3405.44	1679.03	7845.49

Land Impact Summary	
Total Land Use (m2)	0.03

STRETCH METALLIC LACE - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Nylon 6	77%	5.5	57.4831	316.1572
Metallic fiber	16%	21.1	159.2606	3360.3992
Elastane/Spandex	7%	10.7	33.9673	363.4502
Total	100%	37.3	250.71	4040.01

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	CHINA	CHINA		0
Metallic fiber	CHINA	CHINA		0
Elastane/Spandex	CHINA	CHINA		0
Total				0

STRETCH METALLIC LACE - Yarn Production

Process Name	Material		
Carding (CO2e g)	Nylon 6 (CHINA) 14.8133	Metallic fiber (CHINA) 41.0411	Elastane/Spandex (CHINA) 8.7533
Winding (CO2e g)	Nylon 6 (CHINA) 34.0706	Metallic fiber (CHINA) 94.3946	Elastane/Spandex (CHINA) 20.1326
Sizing (CO2e g)	Nylon 6 (CHINA) 0.7089	Metallic fiber (CHINA) 1.964	Elastane/Spandex (CHINA) 0.4189
Ring Spinning (CO2e g)	Nylon 6 (CHINA) 71.1038	Metallic fiber (CHINA) 196.9975	Elastane/Spandex (CHINA) 42.0159
Warping (CO2e g)	Nylon 6 (CHINA) 2.4102	Metallic fiber (CHINA) 6.6776	Elastane/Spandex (CHINA) 1.4242
Roving (Co2e g)	Nylon 6 (CHINA) 5.9253	Metallic fiber (CHINA) 16.4165	Elastane/Spandex (CHINA) 3.5013
Dyeing (CO2e g)	Nylon 6 (CHINA) 18.4308	Metallic fiber (CHINA) 51.0636	Elastane/Spandex (CHINA) 10.8909
Blowing (CO2e g)	Nylon 6 (CHINA) 13.332	Metallic fiber (CHINA) 36.937	Elastane/Spandex (CHINA) 7.878

Process Name	Material		
Drawing (CO2e g)	Nylon 6 (CHINA) 8.888	Metallic fiber (CHINA) 24.6247	Elastane/Spandex (CHINA) 5.252
Total	169.68290000000002	470.1166	100.2671

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	CHINA	CHINA		0
Metallic fiber	CHINA	CHINA		0
Elastane/Spandex	CHINA	CHINA		0
Total				0

STRETCH METALLIC LACE - Cutting & Stitching

Process Name	Material		
Major cutting	Nylon 6 (INDIA) 0.0027	Metallic fiber (INDIA) 0.0075	Elastane/Spandex (INDIA) 0.0016
Total	0.0027	0.0075	0.0016

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	INDIA	INDIA		0
Metallic fiber	INDIA	INDIA		0
Elastane/Spandex	INDIA	INDIA		0
Total				0

STRETCH METALLIC LACE - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Nylon 6 (INDIA) 54.8665	Metallic fiber (INDIA) 152.0111	Elastane/Spandex (INDIA) 32.4211
Finishing Emissions (CO2g)	Nylon 6 (INDIA) 33.4552	Metallic fiber (INDIA) 92.6897	Elastane/Spandex (INDIA) 19.769
Laundry Emissions (CO2e g)	Nylon 6 (INDIA) 33.4552	Metallic fiber (INDIA) 92.6897	Elastane/Spandex (INDIA) 19.769
Washing & Drying Emissions	Nylon 6 (INDIA) 4.9068	Metallic fiber (INDIA) 13.5945	Elastane/Spandex (INDIA) 2.8994
Total	126.68369999999999	350.985	74.8585

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	INDIA	INDIA		0
Metallic fiber	INDIA	INDIA		0
Elastane/Spandex	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.5724	60

STRETCH METALLIC LACE - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Nylon 6 (CHINA) 0.0636	Metallic fiber (CHINA) 0.1761	Elastane/Spandex (CHINA) 0.0376
Coating (CO2e g)	Nylon 6 (CHINA) 0	Metallic fiber (CHINA) 0	Elastane/Spandex (CHINA) 0
Bonding (CO2e g)	Nylon 6 (CHINA) 0.1319	Metallic fiber (CHINA) 0.3655	Elastane/Spandex (CHINA) 0.078
Weaving (CO2e g)	Nylon 6 (CHINA) 60.3975	Metallic fiber (CHINA) 167.3351	Elastane/Spandex (CHINA) 35.6894
Total	60.593	167.8767	35.805

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	CHINA	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Metallic fiber	CHINA	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Elastane/Spandex	CHINA	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

STRETCH METALLIC LACE - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	INDIA	INDIA		0
Metallic fiber	INDIA	INDIA		0
Elastane/Spandex	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

22mm Viscose Silk Stretch Double Georgette - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk generic	54%	52.5	94.0633	4938.3236
Viscose generic	40%	14.54	99.5379	1447.2809
Elastane generic	6%	10.7	29.8614	319.5166
Total	100%	77.74	223.46	6705.12

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

22mm Viscose Silk Stretch Double Georgette - Yarn Production

Process Name	Material		
Carding (CO2e g)	Silk generic (CHINA) 24.2399	Viscose generic (CHINA) 25.6507	Elastane generic (CHINA) 7.6952
Winding (CO2e g)	Silk generic (CHINA) 55.7518	Viscose generic (CHINA) 58.9966	Elastane generic (CHINA) 17.699
Sizing (CO2e g)	Silk generic (CHINA) 1.16	Viscose generic (CHINA) 1.2275	Elastane generic (CHINA) 0.3682
Ring Spinning (CO2e g)	Silk generic (CHINA) 116.3516	Viscose generic (CHINA) 123.1234	Elastane generic (CHINA) 36.937
Warping (CO2e g)	Silk generic (CHINA) 3.9439	Viscose generic (CHINA) 4.1735	Elastane generic (CHINA) 1.252
Roving (Co2e g)	Silk generic (CHINA) 9.696	Viscose generic (CHINA) 10.2603	Elastane generic (CHINA) 3.0781
Dyeing (CO2e g)	Silk generic (CHINA) 30.1595	Viscose generic (CHINA) 31.9148	Elastane generic (CHINA) 9.5744
Blowing (CO2e g)	Silk generic (CHINA) 21.8159	Viscose generic (CHINA) 23.0856	Elastane generic (CHINA) 6.9257
Drawing (CO2e g)	Silk generic (CHINA) 14.544	Viscose generic (CHINA) 15.3904	Elastane generic (CHINA) 4.6171
Total	277.6626	293.8228	88.1467

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

22mm Viscose Silk Stretch Double Georgette - Cutting & Stitching

Process Name	Material		
Major cutting	Silk generic (CHINA) 0.0032	Viscose generic (CHINA) 0.0033	Elastane generic (CHINA) 0.001
Total	0.0032	0.0033	0.001

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

22mm Viscose Silk Stretch Double Georgette - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Silk generic (CHINA) 63.9809	Viscose generic (CHINA) 67.7047	Elastane generic (CHINA) 20.3114

Process Name	Material		
Finishing Emissions (CO2g)	Silk generic (CHINA) 39.0128	Viscose generic (CHINA) 41.2833	Elastane generic (CHINA) 12.385
Laundry Emissions (CO2e g)	Silk generic (CHINA) 39.0128	Viscose generic (CHINA) 41.2833	Elastane generic (CHINA) 12.385
Washing & Drying Emissions	Silk generic (CHINA) 5.7219	Viscose generic (CHINA) 6.0549	Elastane generic (CHINA) 1.8165
Total	147.7284	156.3262	46.89789999999999

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.5724	60

22mm Viscose Silk Stretch Double Georgette - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.104	Viscose generic (CHINA) 0.1101	Elastane generic (CHINA) 0.033
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.2159	Viscose generic (CHINA) 0.2284	Elastane generic (CHINA) 0.0685
Weaving (CO2e g)	Silk generic (CHINA) 98.8323	Viscose generic (CHINA) 104.5845	Elastane generic (CHINA) 31.3753
Total	99.15220000000001	104.923	31.4768

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

22mm Viscose Silk Stretch Double Georgette - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

Final Transportation

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	CHINA	UNITED KINGDOM	AIR - 0	0
Metallic fiber	CHINA	UNITED KINGDOM	AIR - 0	0
Elastane/Spandex	CHINA	UNITED KINGDOM	AIR - 0	0
Total				0

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