

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWGEN54835

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	slim	1.44
Sleeves	short	0.09
Neck	boat	-0.045
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

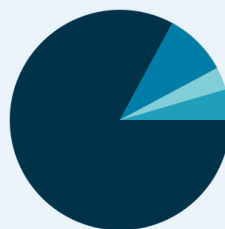
Property Name	Property Value	SQM
Length	calf	0.5658
Shape	tulle	484
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

8.31 kg CO₂e

Estimated Offsetting Cost In EUR *

0.83 €



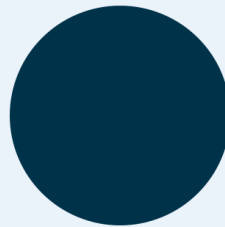
- Raw Material (82.91%)
- Yarn Production (9.27%)
- Fabric Production (3.31%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.51%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

6.89 kg CO₂e

Estimated Offsetting Cost In EUR *

0.69 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

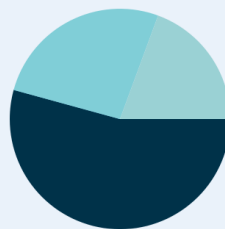
0 €

Process Carbon Footprint

1.42 kg CO₂e

Estimated Offsetting Cost In EUR *

0.14 €



- Yarn Production (54.27%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (26.37%)
- Fabric Production (19.38%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
Soffio Tulle	Raw Material	ITALY	Moderate Risk
Soffio Tulle	Yarn Production	ITALY	Moderate Risk
Soffio Tulle	Fabric Production	ITALY	Moderate Risk
Soffio Tulle	Cutting & Stitching	INDIA	High Risk
Soffio Tulle	Garment Manufacturing	INDIA	High Risk
Soffio Tulle	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	ITALY	Moderate Risk
22mm Viscose Silk Stretch Double Georgette	Garment Manufacturing	ITALY	Moderate Risk

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

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	3274.33	329.95	1720.55
Yarn Production	0	263.96	1204.38
Fabric Production	0	247.51	1290.41
Garment Manufacturing	0	398.73	2203.56
Total (Liters)	3274.33	1240.15	6418.9

Land Impact Summary	
Total Land Use (m2)	0.03

Soffio Tulle - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyamide	100%	4.6	95.7057	440.2464
Total	100%	4.6	95.71	440.25

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	ITALY	ITALY		0
Total				0

Soffio Tulle - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyamide (ITALY) 11.9079
Winding (CO2e g)	Polyamide (ITALY) 27.3882
Sizing (CO2e g)	Polyamide (ITALY) 0.5698
Ring Spinning (CO2e g)	Polyamide (ITALY) 57.1579
Warping (CO2e g)	Polyamide (ITALY) 1.9375
Roving (Co2e g)	Polyamide (ITALY) 4.7632
Dyeing (CO2e g)	Polyamide (ITALY) 14.8159
Blowing (CO2e g)	Polyamide (ITALY) 10.7171
Drawing (CO2e g)	Polyamide (ITALY) 7.1447
Total	136.4022

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	ITALY	ITALY		0
Total				0

Soffio Tulle - Cutting & Stitching

Process Name	Material
Major cutting	Polyamide (INDIA) 0.0045
Total	0.0045

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	INDIA	INDIA		0
Total				0

Soffio Tulle - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyamide (INDIA) 91.3492
Finishing Emissions (CO2g)	Polyamide (INDIA) 55.7007
Laundry Emissions (CO2e g)	Polyamide (INDIA) 55.7007
Washing & Drying Emissions	Polyamide (INDIA) 8.1694
Total	210.91999999999996

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	INDIA	INDIA		0
Total				0

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

Soffio Tulle - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyamide (ITALY) 0.0511
Coating (CO2e g)	Polyamide (ITALY) 0
Bonding (CO2e g)	Polyamide (ITALY) 0.106
Weaving (CO2e g)	Polyamide (ITALY) 48.5515
Total	48.7086

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	ITALY	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

Soffio Tulle - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	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	90.4419	4748.2011
Viscose generic	40%	14.54	95.7057	1391.5615
Elastane generic	6%	10.7	28.7117	307.2154
Total	100%	77.74	214.86	6446.98

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) 23.3067	Viscose generic (CHINA) 24.6632	Elastane generic (CHINA) 7.399
Winding (CO2e g)	Silk generic (CHINA) 53.6054	Viscose generic (CHINA) 56.7253	Elastane generic (CHINA) 17.0176
Sizing (CO2e g)	Silk generic (CHINA) 1.1153	Viscose generic (CHINA) 1.1802	Elastane generic (CHINA) 0.3541
Ring Spinning (CO2e g)	Silk generic (CHINA) 111.8722	Viscose generic (CHINA) 118.3833	Elastane generic (CHINA) 35.515
Warping (CO2e g)	Silk generic (CHINA) 3.7921	Viscose generic (CHINA) 4.0128	Elastane generic (CHINA) 1.2038
Roving (Co2e g)	Silk generic (CHINA) 9.3227	Viscose generic (CHINA) 9.8653	Elastane generic (CHINA) 2.9596
Dyeing (CO2e g)	Silk generic (CHINA) 28.9983	Viscose generic (CHINA) 30.6861	Elastane generic (CHINA) 9.2058
Blowing (CO2e g)	Silk generic (CHINA) 20.976	Viscose generic (CHINA) 22.1969	Elastane generic (CHINA) 6.6591
Drawing (CO2e g)	Silk generic (CHINA) 13.984	Viscose generic (CHINA) 14.7979	Elastane generic (CHINA) 4.4394
Total	266.972700000000003	282.511	84.7534

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 (ITALY) 0.0015	Viscose generic (ITALY) 0.0016	Elastane generic (ITALY) 0.0005
Total	0.0015	0.0016	0.0005

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

22mm Viscose Silk Stretch Double Georgette - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Silk generic (ITALY) 29.702	Viscose generic (ITALY) 31.4307	Elastane generic (ITALY) 9.4292
Finishing Emissions (CO2g)	Silk generic (ITALY) 18.111	Viscose generic (ITALY) 19.1651	Elastane generic (ITALY) 5.7495
Laundry Emissions (CO2e g)	Silk generic (ITALY) 18.111	Viscose generic (ITALY) 19.1651	Elastane generic (ITALY) 5.7495
Washing & Drying Emissions	Silk generic (ITALY) 2.6563	Viscose generic (ITALY) 2.8109	Elastane generic (ITALY) 0.8433
Total	68.58030000000001	72.5718	21.7715

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		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) 0.1	Viscose generic (CHINA) 0.1059	Elastane generic (CHINA) 0.0318
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.2076	Viscose generic (CHINA) 0.2196	Elastane generic (CHINA) 0.0659
Weaving (CO2e g)	Silk generic (CHINA) 95.0273	Viscose generic (CHINA) 100.558	Elastane generic (CHINA) 30.1674
Total	95.33489999999999	100.88350000000001	30.2651

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	CHINA	ITALY	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Viscose generic	CHINA	ITALY	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Elastane generic	CHINA	ITALY	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

22mm Viscose Silk Stretch Double Georgette - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		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
Polyamide	ITALY	UNITED KINGDOM	AIR - 0	0
Total				0

The software tools and services provided by Edmond Climate Network SA (hereinafter referred to as "the Company") are designed to assist users in the calculation and optimization of the carbon footprint of products in the fashion industry. However, the results, data, and recommendations provided by our software are for informational purposes only, with a tolerance of +/-10% and are not intended to constitute professional advice.

By using our software, the user acknowledges and agrees that the Company shall not be held responsible or liable for any direct, indirect, incidental, consequential, or punitive damages, including but not limited to any loss of profits, data, or business interruptions, that may arise from the use, misuse, or reliance on any data or information generated by our tools.

Furthermore, it is the sole responsibility of the user to ensure the accuracy, completeness, and verifiability of all data entered into the Company's software. The Company is not liable for any errors, inaccuracies, or omissions in the input data provided by the user. The user is responsible for ensuring that the data provided for calculation is correct and up-to-date. The Company does not guarantee the accuracy, reliability, or completeness of the results generated from the software, which are contingent upon the input data provided by the user.

The user understands and agrees that the Company provides no warranties, express or implied, regarding the accuracy, applicability, or reliability of the results generated by the software and disclaims any responsibility for the consequences of decisions made based on such results.

By using the software, the user agrees to indemnify and hold harmless the Company, its officers, directors, employees, and agents from any claims, damages, or losses resulting from the misuse of the software or any failure by the user to input correct or verifiable data.

This disclaimer is subject to change without notice, and users are encouraged to review it regularly to stay informed of any updates.

