

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWGEN54869

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	open back	-0.032
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

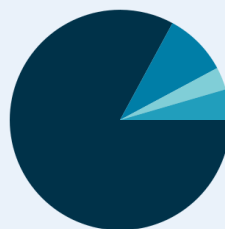
Property Name	Property Value	SQM
Length	long	0.69
Shape	tulle	484
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

9.42 kg CO₂e

Estimated Offsetting Cost In EUR *

0.94 €



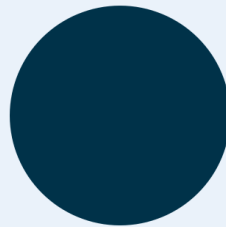
- Raw Material (82.91%)
- Yarn Production (9.28%)
- Fabric Production (3.31%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.50%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

7.81 kg CO₂e

Estimated Offsetting Cost In EUR *

0.78 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

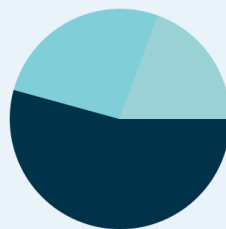
0 €

Process Carbon Footprint

1.61 kg CO₂e

Estimated Offsetting Cost In EUR *

0.16 €



- Yarn Production (54.30%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (26.36%)
- Fabric Production (19.39%)
- 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	3714.53	374.3	1951.86
Yarn Production	0	299.44	1366.3
Fabric Production	0	280.78	1463.89
Garment Manufacturing	0	452.34	2499.8
Total (Liters)	3714.53	1406.86	7281.85

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	108.5722	499.4321
Total	100%	4.6	108.57	499.43

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) 13.5088
Winding (CO2e g)	Polyamide (ITALY) 31.0702
Sizing (CO2e g)	Polyamide (ITALY) 0.6464
Ring Spinning (CO2e g)	Polyamide (ITALY) 64.8421
Warping (CO2e g)	Polyamide (ITALY) 2.1979
Roving (Co2e g)	Polyamide (ITALY) 5.4035
Dyeing (CO2e g)	Polyamide (ITALY) 16.8077
Blowing (CO2e g)	Polyamide (ITALY) 12.1579
Drawing (CO2e g)	Polyamide (ITALY) 8.1053
Total	154.7398

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) 0.0051
Total	0.0051

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) 103.63
Finishing Emissions (CO2g)	Polyamide (INDIA) 63.189
Laundry Emissions (CO2e g)	Polyamide (INDIA) 63.189
Washing & Drying Emissions	Polyamide (INDIA) 9.2677
Total	239.27569999999997

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	0.2385	25

Soffio Tulle - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyamide (ITALY) 0.058
Coating (CO2e g)	Polyamide (ITALY) 0
Bonding (CO2e g)	Polyamide (ITALY) 0.1203
Weaving (CO2e g)	Polyamide (ITALY) 55.0787
Total	55.257

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	102.6007	5386.5377
Viscose generic	40%	14.54	108.5722	1578.6396
Elastane generic	6%	10.7	32.5717	348.5167
Total	100%	77.74	243.74	7313.69

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) 26.44	Viscose generic (CHINA) 27.9788	Elastane generic (CHINA) 8.3937
Winding (CO2e g)	Silk generic (CHINA) 60.812	Viscose generic (CHINA) 64.3513	Elastane generic (CHINA) 19.3054
Sizing (CO2e g)	Silk generic (CHINA) 1.2653	Viscose generic (CHINA) 1.3389	Elastane generic (CHINA) 0.4017
Ring Spinning (CO2e g)	Silk generic (CHINA) 126.912	Viscose generic (CHINA) 134.2984	Elastane generic (CHINA) 40.2895
Warping (CO2e g)	Silk generic (CHINA) 4.3019	Viscose generic (CHINA) 4.5523	Elastane generic (CHINA) 1.3657
Roving (Co2e g)	Silk generic (CHINA) 10.576	Viscose generic (CHINA) 11.1915	Elastane generic (CHINA) 3.3575
Dyeing (CO2e g)	Silk generic (CHINA) 32.8968	Viscose generic (CHINA) 34.8114	Elastane generic (CHINA) 10.4434
Blowing (CO2e g)	Silk generic (CHINA) 23.796	Viscose generic (CHINA) 25.181	Elastane generic (CHINA) 7.5543
Drawing (CO2e g)	Silk generic (CHINA) 15.864	Viscose generic (CHINA) 16.7873	Elastane generic (CHINA) 5.0362
Total	302.864	320.49089999999995	96.14739999999999

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) 0.0017	Viscose generic (ITALY) 0.0018	Elastane generic (ITALY) 0.0005
Total	0.0017	0.0018	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) 33.6951	Viscose generic (ITALY) 35.6562	Elastane generic (ITALY) 10.6969
Finishing Emissions (CO2g)	Silk generic (ITALY) 20.5458	Viscose generic (ITALY) 21.7416	Elastane generic (ITALY) 6.5225
Laundry Emissions (CO2e g)	Silk generic (ITALY) 20.5458	Viscose generic (ITALY) 21.7416	Elastane generic (ITALY) 6.5225
Washing & Drying Emissions	Silk generic (ITALY) 3.0134	Viscose generic (ITALY) 3.1888	Elastane generic (ITALY) 0.9566
Total	77.8001	82.3282	24.698500000000003

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	0.2385	25

22mm Viscose Silk Stretch Double Georgette - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.1135	Viscose generic (CHINA) 0.1201	Elastane generic (CHINA) 0.036
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.2355	Viscose generic (CHINA) 0.2492	Elastane generic (CHINA) 0.0748
Weaving (CO2e g)	Silk generic (CHINA) 107.8026	Viscose generic (CHINA) 114.0768	Elastane generic (CHINA) 34.223
Total	108.1516	114.4461	34.3338

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

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