

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU	Gender	Wastage Percentage
TOPS	25AWGEN54891	Women	5%

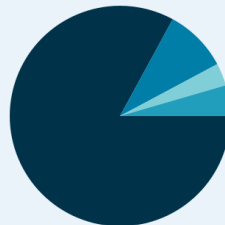
Property Name	Property Value	SQM
Body length	regular	0.6
Fit	slim	1.44
Sleeves	short	0.09
Neck	crew	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

2.16 kg CO₂e

Estimated Offsetting Cost In EUR *

0.22 €



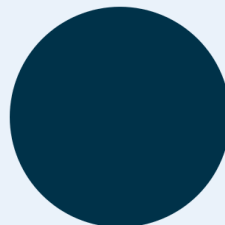
- Raw Material (82.87%)
- Yarn Production (9.25%)
- Fabric Production (3.30%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.49%)
- Finishing & Packaging (0.01%)

Raw Material Carbon Footprint

1.79 kg CO₂e

Estimated Offsetting Cost In EUR *

0.18 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

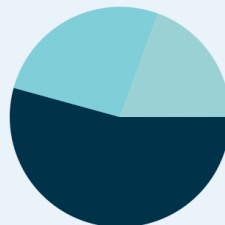
0 €

Process Carbon Footprint

0.37 kg CO₂e

Estimated Offsetting Cost In EUR *

0.04 €



- Yarn Production (54.00%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (26.20%)
- Fabric Production (19.28%)
- Finishing & Packaging (0.03%)

* 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
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	848.96	85.55	446.1
Yarn Production	0	68.44	312.27
Fabric Production	0	64.17	334.57
Garment Manufacturing	0	103.38	571.33
Total (Liters)	848.96	321.54	1664.27

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	24.8142	114.1453
Total	100%	4.6	24.81	114.15

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) 3.0874
Winding (CO2e g)	Polyamide (ITALY) 7.1011
Sizing (CO2e g)	Polyamide (ITALY) 0.1477
Ring Spinning (CO2e g)	Polyamide (ITALY) 14.8197
Warping (CO2e g)	Polyamide (ITALY) 0.5023
Roving (Co2e g)	Polyamide (ITALY) 1.235
Dyeing (CO2e g)	Polyamide (ITALY) 3.8414
Blowing (CO2e g)	Polyamide (ITALY) 2.7787
Drawing (CO2e g)	Polyamide (ITALY) 1.8525
Total	35.3658

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) 0.0012
Total	0.0012

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) 23.6847
Finishing Emissions (CO2g)	Polyamide (INDIA) 14.4419

Process Name	Material
Laundry Emissions (CO2e g)	Polyamide (INDIA) 14.4419
Washing & Drying Emissions	Polyamide (INDIA) 2.1181
Total	54.6866

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

Soffio Tulle - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyamide (ITALY) 0.0133
Coating (CO2e g)	Polyamide (ITALY) 0
Bonding (CO2e g)	Polyamide (ITALY) 0.0275
Weaving (CO2e g)	Polyamide (ITALY) 12.5882
Total	12.629000000000001

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	23.4494	1231.0948
Viscose generic	40%	14.54	24.8142	360.7986
Elastane generic	6%	10.7	7.4443	79.6536
Total	100%	77.74	55.71	1671.55

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Total				0

22mm Viscose Silk Stretch Double Georgette - Yarn Production

Process Name	Material		
Carding (CO2e g)	Silk generic (CHINA) 6.0429	Viscose generic (CHINA) 6.3946	Elastane generic (CHINA) 1.9184
Winding (CO2e g)	Silk generic (CHINA) 13.8986	Viscose generic (CHINA) 14.7075	Elastane generic (CHINA) 4.4123
Sizing (CO2e g)	Silk generic (CHINA) 0.2892	Viscose generic (CHINA) 0.306	Elastane generic (CHINA) 0.0918
Ring Spinning (CO2e g)	Silk generic (CHINA) 29.0058	Viscose generic (CHINA) 30.6939	Elastane generic (CHINA) 9.2082
Warping (CO2e g)	Silk generic (CHINA) 0.9832	Viscose generic (CHINA) 1.0404	Elastane generic (CHINA) 0.3121
Roving (Co2e g)	Silk generic (CHINA) 2.4171	Viscose generic (CHINA) 2.5578	Elastane generic (CHINA) 0.7673
Dyeing (CO2e g)	Silk generic (CHINA) 7.5186	Viscose generic (CHINA) 7.9562	Elastane generic (CHINA) 2.3868
Blowing (CO2e g)	Silk generic (CHINA) 5.4386	Viscose generic (CHINA) 5.7551	Elastane generic (CHINA) 1.7265
Drawing (CO2e g)	Silk generic (CHINA) 3.6257	Viscose generic (CHINA) 3.8367	Elastane generic (CHINA) 1.151
Total	69.21969999999999	73.2482	21.974400000000003

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) 0.0004	Viscose generic (ITALY) 0.0004	Elastane generic (ITALY) 0.0001
Total	0.0004	0.0004	0.0001

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) 7.701	Viscose generic (ITALY) 8.1492	Elastane generic (ITALY) 2.4448
Finishing Emissions (CO2g)	Silk generic (ITALY) 4.6957	Viscose generic (ITALY) 4.969	Elastane generic (ITALY) 1.4907
Laundry Emissions (CO2e g)	Silk generic (ITALY) 4.6957	Viscose generic (ITALY) 4.969	Elastane generic (ITALY) 1.4907
Washing & Drying Emissions	Silk generic (ITALY) 0.6887	Viscose generic (ITALY) 0.7288	Elastane generic (ITALY) 0.2186
Total	17.7811	18.816000000000003	5.6448

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 - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.0259	Viscose generic (CHINA) 0.0274	Elastane generic (CHINA) 0.0082
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.0538	Viscose generic (CHINA) 0.0569	Elastane generic (CHINA) 0.0171
Weaving (CO2e g)	Silk generic (CHINA) 24.6383	Viscose generic (CHINA) 26.0723	Elastane generic (CHINA) 7.8217
Total	24.718	26.156599999999997	7.8469999999999995

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
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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