

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWGEN53648C

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	slim	1.44
Sleeves	half	0.14
Neck	boat	-0.045
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

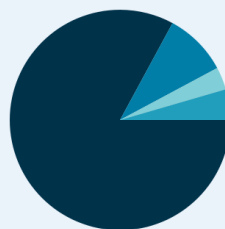
Property Name	Property Value	SQM
Length	long	0.69
Shape	tulle	484
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

9.87 kg CO₂e

Estimated Offsetting Cost In EUR *

0.99 €



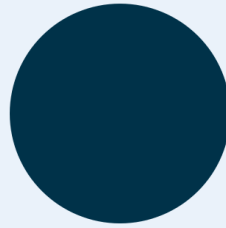
- Raw Material (82.88%)
- Yarn Production (9.27%)
- Fabric Production (3.31%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.50%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

8.18 kg CO₂e

Estimated Offsetting Cost In EUR *

0.82 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

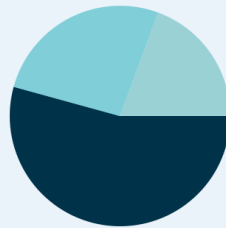
0 €

Process Carbon Footprint

1.69 kg CO₂e

Estimated Offsetting Cost In EUR *

0.17 €



- Yarn Production (54.16%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (26.29%)
- Fabric Production (19.34%)
- 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	3888.99	391.88	2043.53
Yarn Production	0	313.51	1430.47
Fabric Production	0	293.97	1532.65
Garment Manufacturing	0	473.58	2617.21
Total (Liters)	3888.99	1472.94	7623.86

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	113.6715	522.8891
Total	100%	4.6	113.67	522.89

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) 14.1432
Winding (CO2e g)	Polyamide (ITALY) 32.5295
Sizing (CO2e g)	Polyamide (ITALY) 0.6768
Ring Spinning (CO2e g)	Polyamide (ITALY) 67.8876
Warping (CO2e g)	Polyamide (ITALY) 2.3012
Roving (Co2e g)	Polyamide (ITALY) 5.6573
Dyeing (CO2e g)	Polyamide (ITALY) 17.5971
Blowing (CO2e g)	Polyamide (ITALY) 12.7289
Drawing (CO2e g)	Polyamide (ITALY) 8.4859
Total	162.0075

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) 0.0054
Total	0.0054

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) 108.4972
Finishing Emissions (CO2g)	Polyamide (INDIA) 66.1568
Laundry Emissions (CO2e g)	Polyamide (INDIA) 66.1568
Washing & Drying Emissions	Polyamide (INDIA) 9.703
Total	250.5138

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	0.3148	33

Soffio Tulle - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyamide (ITALY) 0.0607
Coating (CO2e g)	Polyamide (ITALY) 0
Bonding (CO2e g)	Polyamide (ITALY) 0.126
Weaving (CO2e g)	Polyamide (ITALY) 57.6656
Total	57.8523

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	107.4196	5639.5297
Viscose generic	40%	14.54	113.6715	1652.7843
Elastane generic	6%	10.7	34.1015	364.8857
Total	100%	77.74	255.19	7657.2

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) 27.6818	Viscose generic (CHINA) 29.2929	Elastane generic (CHINA) 8.7879
Winding (CO2e g)	Silk generic (CHINA) 63.6682	Viscose generic (CHINA) 67.3737	Elastane generic (CHINA) 20.2121
Sizing (CO2e g)	Silk generic (CHINA) 1.3247	Viscose generic (CHINA) 1.4018	Elastane generic (CHINA) 0.4205
Ring Spinning (CO2e g)	Silk generic (CHINA) 132.8727	Viscose generic (CHINA) 140.6061	Elastane generic (CHINA) 42.1818
Warping (CO2e g)	Silk generic (CHINA) 4.5039	Viscose generic (CHINA) 4.7661	Elastane generic (CHINA) 1.4298
Roving (Co2e g)	Silk generic (CHINA) 11.0727	Viscose generic (CHINA) 11.7172	Elastane generic (CHINA) 3.5152
Dyeing (CO2e g)	Silk generic (CHINA) 34.4419	Viscose generic (CHINA) 36.4464	Elastane generic (CHINA) 10.9339
Blowing (CO2e g)	Silk generic (CHINA) 24.9136	Viscose generic (CHINA) 26.3636	Elastane generic (CHINA) 7.9091
Drawing (CO2e g)	Silk generic (CHINA) 16.6091	Viscose generic (CHINA) 17.5758	Elastane generic (CHINA) 5.2727
Total	317.0886	335.5436	100.663

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) 0.0006
Total	0.0017	0.0018	0.0006

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) 35.2777	Viscose generic (ITALY) 37.3309	Elastane generic (ITALY) 11.1993
Finishing Emissions (CO2g)	Silk generic (ITALY) 21.5108	Viscose generic (ITALY) 22.7627	Elastane generic (ITALY) 6.8288
Laundry Emissions (CO2e g)	Silk generic (ITALY) 21.5108	Viscose generic (ITALY) 22.7627	Elastane generic (ITALY) 6.8288
Washing & Drying Emissions	Silk generic (ITALY) 3.1549	Viscose generic (ITALY) 3.3385	Elastane generic (ITALY) 1.0016
Total	81.4542	86.19479999999999	25.8585

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	0.3148	33

22mm Viscose Silk Stretch Double Georgette - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.1188	Viscose generic (CHINA) 0.1257	Elastane generic (CHINA) 0.0377
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.2465	Viscose generic (CHINA) 0.2609	Elastane generic (CHINA) 0.0783
Weaving (CO2e g)	Silk generic (CHINA) 112.8658	Viscose generic (CHINA) 119.4347	Elastane generic (CHINA) 35.8304
Total	113.2311	119.82130000000001	35.9464

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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