

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWCOR54878

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%

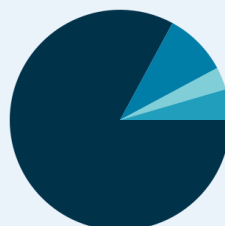
Property Name	Property Value	SQM
Length	calf	0.5658
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

7.52 kg CO₂e

Estimated Offsetting Cost In EUR *

0.75 €



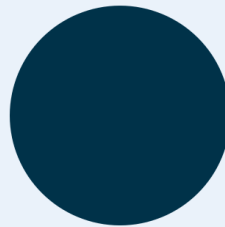
- Raw Material (82.85%)
- Yarn Production (9.27%)
- Fabric Production (3.31%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.50%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

6.23 kg CO₂e

Estimated Offsetting Cost In EUR *

0.62 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

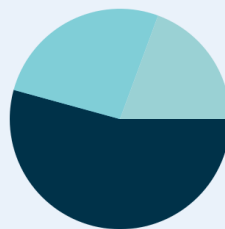
0 €

Process Carbon Footprint

1.29 kg CO₂e

Estimated Offsetting Cost In EUR *

0.13 €



- Yarn Production (54.07%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (26.26%)
- Fabric Production (19.31%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
Soffio	Raw Material	ITALY	Moderate Risk
Soffio	Yarn Production	ITALY	Moderate Risk
Soffio	Fabric Production	ITALY	Moderate Risk
Soffio	Cutting & Stitching	INDIA	High Risk
Soffio	Garment Manufacturing	INDIA	High Risk
Soffio	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	2963.43	298.62	1557.18
Yarn Production	0	238.89	1090.03
Fabric Production	0	224.01	1167.89
Garment Manufacturing	0	360.87	1994.33
Total (Liters)	2963.43	1122.39	5809.43

Land Impact Summary	
Total Land Use (m2)	0.03

Soffio - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyamide	100%	4.6	86.6184	398.4448
Total	100%	4.6	86.62	398.44

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

Soffio - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyamide (ITALY) 10.7772
Winding (CO2e g)	Polyamide (ITALY) 24.7877
Sizing (CO2e g)	Polyamide (ITALY) 0.5157
Ring Spinning (CO2e g)	Polyamide (ITALY) 51.7308
Warping (CO2e g)	Polyamide (ITALY) 1.7535
Roving (Co2e g)	Polyamide (ITALY) 4.3109
Dyeing (CO2e g)	Polyamide (ITALY) 13.4091
Blowing (CO2e g)	Polyamide (ITALY) 9.6995
Drawing (CO2e g)	Polyamide (ITALY) 6.4663
Total	123.45070000000001

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

Soffio - Cutting & Stitching

Process Name	Material
Major cutting	Polyamide (INDIA) 0.0041
Total	0.0041

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

Soffio - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyamide (INDIA) 82.6756
Finishing Emissions (CO2g)	Polyamide (INDIA) 50.4119
Laundry Emissions (CO2e g)	Polyamide (INDIA) 50.4119
Washing & Drying Emissions	Polyamide (INDIA) 7.3938
Total	190.8932

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	0.3816	40

Soffio - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyamide (ITALY) 0.0463
Coating (CO2e g)	Polyamide (ITALY) 0
Bonding (CO2e g)	Polyamide (ITALY) 0.096
Weaving (CO2e g)	Polyamide (ITALY) 43.9415
Total	44.0838

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

Soffio - 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	81.8544	4297.3575
Viscose generic	40%	14.54	86.6184	1259.4322
Elastane generic	6%	10.7	25.9855	278.0452
Total	100%	77.74	194.46	5834.83

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) 21.0937	Viscose generic (CHINA) 22.3214	Elastane generic (CHINA) 6.6964
Winding (CO2e g)	Silk generic (CHINA) 48.5156	Viscose generic (CHINA) 51.3392	Elastane generic (CHINA) 15.4018
Sizing (CO2e g)	Silk generic (CHINA) 1.0094	Viscose generic (CHINA) 1.0682	Elastane generic (CHINA) 0.3205
Ring Spinning (CO2e g)	Silk generic (CHINA) 101.2499	Viscose generic (CHINA) 107.1427	Elastane generic (CHINA) 32.1428
Warping (CO2e g)	Silk generic (CHINA) 3.432	Viscose generic (CHINA) 3.6318	Elastane generic (CHINA) 1.0895
Roving (Co2e g)	Silk generic (CHINA) 8.4375	Viscose generic (CHINA) 8.9286	Elastane generic (CHINA) 2.6786
Dyeing (CO2e g)	Silk generic (CHINA) 26.2449	Viscose generic (CHINA) 27.7724	Elastane generic (CHINA) 8.3317
Blowing (CO2e g)	Silk generic (CHINA) 18.9844	Viscose generic (CHINA) 20.0893	Elastane generic (CHINA) 6.0268
Drawing (CO2e g)	Silk generic (CHINA) 12.6562	Viscose generic (CHINA) 13.3928	Elastane generic (CHINA) 4.0179
Total	241.62359999999998	255.68640000000002	76.70599999999999

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) 0.0013	Viscose generic (ITALY) 0.0014	Elastane generic (ITALY) 0.0004
Total	0.0013	0.0014	0.0004

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) 26.8818	Viscose generic (ITALY) 28.4464	Elastane generic (ITALY) 8.5339
Finishing Emissions (CO2g)	Silk generic (ITALY) 16.3913	Viscose generic (ITALY) 17.3453	Elastane generic (ITALY) 5.2036
Laundry Emissions (CO2e g)	Silk generic (ITALY) 16.3913	Viscose generic (ITALY) 17.3453	Elastane generic (ITALY) 5.2036
Washing & Drying Emissions	Silk generic (ITALY) 2.4041	Viscose generic (ITALY) 2.544	Elastane generic (ITALY) 0.7632
Total	62.0685	65.68100000000001	19.7043

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	0.3816	40

22mm Viscose Silk Stretch Double Georgette - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.0905	Viscose generic (CHINA) 0.0958	Elastane generic (CHINA) 0.0287
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.1879	Viscose generic (CHINA) 0.1988	Elastane generic (CHINA) 0.0596
Weaving (CO2e g)	Silk generic (CHINA) 86.0044	Viscose generic (CHINA) 91.01	Elastane generic (CHINA) 27.303
Total	86.28280000000001	91.30460000000001	27.3913

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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