Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWCOR54879

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	korean	0.019
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

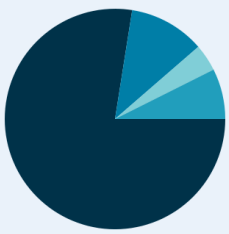
Property Name	Property Value	SQM
Length	calf	0.5658
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

8.81 kg CO_2e

Estimated Offsetting Cost In EUR *

0.88 €



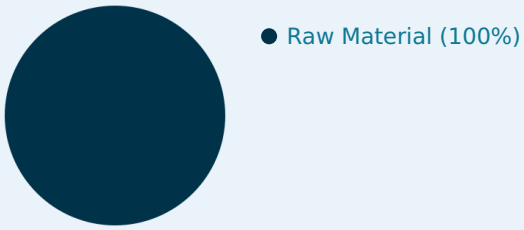
- Raw Material (77.53%)
- Yarn Production (11.14%)
- Fabric Production (3.98%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (7.39%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

6.83 kg CO_2e

Estimated Offsetting Cost In EUR *

0.68 €



Transportation Carbon Footprint

0 kg CO_2e

Estimated Offsetting Cost In EUR *

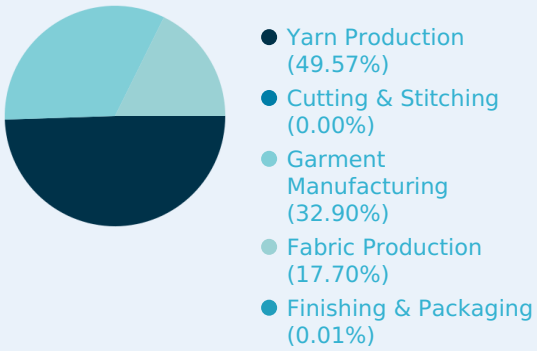
0 €

Process Carbon Footprint

1.98 kg CO_2e

Estimated Offsetting Cost In EUR *

0.2 €



* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
22MM HEAVIER VISCOSE SILK STRETCH DBL GGT	Raw Material	CHINA	High Risk
22MM HEAVIER VISCOSE SILK STRETCH DBL GGT	Yarn Production	CHINA	High Risk
22MM HEAVIER VISCOSE SILK STRETCH DBL GGT	Fabric Production	CHINA	High Risk
22MM HEAVIER VISCOSE SILK STRETCH DBL GGT	Cutting & Stitching	INDIA	High Risk
22MM HEAVIER VISCOSE SILK STRETCH DBL GGT	Garment Manufacturing	INDIA	High Risk
22MM HEAVIER VISCOSE SILK STRETCH DBL GGT	Finishing & Packaging	INDIA	High Risk
22mm Viscose Silk Stretch Double Georgette	Raw Material	CHINA	High Risk

Layer	Production Phase	Country	Country Risk / Provider
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	CHINA	High Risk
22mm Viscose Silk Stretch Double Georgette	Garment Manufacturing	CHINA	High Risk
22mm Viscose Silk Stretch Double Georgette	Finishing & Packaging	CHINA	High Risk
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	CHINA	High Risk
SOFFIO TULLE	Garment Manufacturing	CHINA	High Risk
SOFFIO TULLE	Finishing & Packaging	CHINA	High Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	3051.35	310.15	1621.22
Yarn Production	0	248.12	1134.85
Fabric Production	0	232.7	1215.91
Garment Manufacturing	0	375.77	2102.55
Total (Liters)	**3051.35**	**1166.74**	**6074.53**

Land Impact Summary	
Total Land Use (m2)	**0.03**

22MM HEAVIER VISCOSE SILK STRETCH DBL GGT - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyamide	100%	4.6	89.1882	410.2657
Total	**100%**	**4.6**	**89.19**	**410.27**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	CHINA	CHINA		0
Total				**0**

22MM HEAVIER VISCOSE SILK STRETCH DBL GGT - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyamide (CHINA) 22.9836
Winding (CO2e g)	Polyamide (CHINA) 52.8623
Sizing (CO2e g)	Polyamide (CHINA) 1.0999
Ring Spinning (CO2e g)	Polyamide (CHINA) 110.3214
Warping (CO2e g)	Polyamide (CHINA) 3.7395

Process Name	Material
Roving (Co2e g)	Polyamide (CHINA) 9.1934
Dyeing (CO2e g)	Polyamide (CHINA) 28.5964
Blowing (CO2e g)	Polyamide (CHINA) 20.6853
Drawing (CO2e g)	Polyamide (CHINA) 13.7902
Total	**263.272**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	CHINA	CHINA		0
Total				**0**

22MM HEAVIER VISCOSE SILK STRETCH DBL GGT - Cutting & Stitching

Process Name	Material
Major cutting	Polyamide (INDIA) 0.0042
Total	**0.0042**

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

22MM HEAVIER VISCOSE SILK STRETCH DBL GGT - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyamide (INDIA) 85.1284
Finishing Emissions (CO2g)	Polyamide (INDIA) 51.9075
Laundry Emissions (CO2e g)	Polyamide (INDIA) 51.9075
Washing & Drying Emissions	Polyamide (INDIA) 7.6131
Total	**196.5565**

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	0.3625	38

22MM HEAVIER VISCOSE SILK STRETCH DBL GGT - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyamide (CHINA) 0.0986
Coating (CO2e g)	Polyamide (CHINA) 0
Bonding (CO2e g)	Polyamide (CHINA) 0.2047

Process Name	Material
Weaving (CO2e g)	Polyamide (CHINA) 93.71
Total	**94.01329999999999**

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

22MM HEAVIER VISCOSE SILK STRETCH DBL GGT - 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	84.2828	4424.8495
Viscose generic	40%	14.54	89.1882	1296.7964
Elastane generic	6%	10.7	26.7565	286.2941
Total	**100%**	**77.74**	**200.23**	**6007.94**

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) 21.7195	Viscose generic (CHINA) 22.9836	Elastane generic (CHINA) 6.8951
Winding (CO2e g)	Silk generic (CHINA) 49.9549	Viscose generic (CHINA) 52.8623	Elastane generic (CHINA) 15.8587
Sizing (CO2e g)	Silk generic (CHINA) 1.0394	Viscose generic (CHINA) 1.0999	Elastane generic (CHINA) 0.33
Ring Spinning (CO2e g)	Silk generic (CHINA) 104.2537	Viscose generic (CHINA) 110.3214	Elastane generic (CHINA) 33.0964
Warping (CO2e g)	Silk generic (CHINA) 3.5338	Viscose generic (CHINA) 3.7395	Elastane generic (CHINA) 1.1219

Process Name	Material		
Roving (Co2e g)	Silk generic (CHINA) 8.6878	Viscose generic (CHINA) 9.1934	Elastane generic (CHINA) 2.758
Dyeing (CO2e g)	Silk generic (CHINA) 27.0236	Viscose generic (CHINA) 28.5964	Elastane generic (CHINA) 8.5789
Blowing (CO2e g)	Silk generic (CHINA) 19.5476	Viscose generic (CHINA) 20.6853	Elastane generic (CHINA) 6.2056
Drawing (CO2e g)	Silk generic (CHINA) 13.0317	Viscose generic (CHINA) 13.7902	Elastane generic (CHINA) 4.1371
Total	**248.792**	**263.272**	**78.9817**

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 (CHINA) 0.0028	Viscose generic (CHINA) 0.003	Elastane generic (CHINA) 0.0009
Total	**0.0028**	**0.003**	**0.0009**

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 - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Silk generic (CHINA) 57.3284	Viscose generic (CHINA) 60.6649	Elastane generic (CHINA) 18.1995
Finishing Emissions (CO2g)	Silk generic (CHINA) 34.9563	Viscose generic (CHINA) 36.9908	Elastane generic (CHINA) 11.0972
Laundry Emissions (CO2e g)	Silk generic (CHINA) 34.9563	Viscose generic (CHINA) 36.9908	Elastane generic (CHINA) 11.0972
Washing & Drying Emissions	Silk generic (CHINA) 5.1269	Viscose generic (CHINA) 5.4253	Elastane generic (CHINA) 1.6276
Total	**132.3679**	**140.0718**	**42.0215**

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**

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.3625	38

22mm Viscose Silk Stretch Double Georgette - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.0932	Viscose generic (CHINA) 0.0986	Elastane generic (CHINA) 0.0296
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.1934	Viscose generic (CHINA) 0.2047	Elastane generic (CHINA) 0.0614
Weaving (CO2e g)	Silk generic (CHINA) 88.556	Viscose generic (CHINA) 93.71	Elastane generic (CHINA) 28.113
Total	**88.8426**	**94.01329999999999**	**28.204**

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 - Finishing & Packaging

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**

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

SOFFIO TULLE - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyamide	100%	4.6	89.1882	410.2657
Total	**100%**	**4.6**	**89.19**	**410.27**

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) 11.097
Winding (CO2e g)	Polyamide (ITALY) 25.523
Sizing (CO2e g)	Polyamide (ITALY) 0.531
Ring Spinning (CO2e g)	Polyamide (ITALY) 53.2655
Warping (CO2e g)	Polyamide (ITALY) 1.8055
Roving (Co2e g)	Polyamide (ITALY) 4.4388
Dyeing (CO2e g)	Polyamide (ITALY) 13.8069
Blowing (CO2e g)	Polyamide (ITALY) 9.9873
Drawing (CO2e g)	Polyamide (ITALY) 6.6582
Total	**127.11319999999999**

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 (CHINA) 0.003
Total	**0.003**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	CHINA	CHINA		0
Total				**0**

SOFFIO TULLE - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyamide (CHINA) 60.6649
Finishing Emissions (CO2g)	Polyamide (CHINA) 36.9908
Laundry Emissions (CO2e g)	Polyamide (CHINA) 36.9908
Washing & Drying Emissions	Polyamide (CHINA) 5.4253
Total	**140.0718**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	CHINA	CHINA		0
Total				**0**

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.3625	38

SOFFIO TULLE - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyamide (ITALY) 0.0476
Coating (CO2e g)	Polyamide (ITALY) 0
Bonding (CO2e g)	Polyamide (ITALY) 0.0988
Weaving (CO2e g)	Polyamide (ITALY) 45.2452
Total	**45.3916**

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

SOFFIO TULLE - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	CHINA	CHINA		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	CHINA	UNITED KINGDOM	AIR - 0	0
Total				**0**