

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWAIE54872

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	v neck	-0.016
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

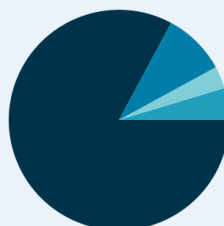
Property Name	Property Value	SQM
Length	calf	0.5658
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

16.9 kg CO₂e

Estimated Offsetting Cost In EUR *

1.69 €



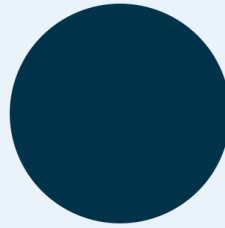
- Raw Material (82.84%)
- Yarn Production (9.21%)
- Fabric Production (3.29%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.65%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

14 kg CO₂e

Estimated Offsetting Cost In EUR *

1.4 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

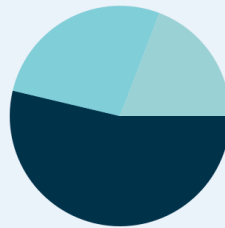
0 €

Process Carbon Footprint

2.9 kg CO₂e

Estimated Offsetting Cost In EUR *

0.29 €



- Yarn Production (53.69%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (27.11%)
- Fabric Production (19.17%)
- Finishing & Packaging (0.00%)

* 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
HEAVIER VISCOSE SILK STRETCH DBL GGT	Raw Material	CHINA	High Risk
HEAVIER VISCOSE SILK STRETCH DBL GGT	Yarn Production	CHINA	High Risk
HEAVIER VISCOSE SILK STRETCH DBL GGT	Fabric Production	CHINA	High Risk
HEAVIER VISCOSE SILK STRETCH DBL GGT	Cutting & Stitching	ITALY	Moderate Risk
HEAVIER VISCOSE SILK STRETCH DBL GGT	Garment Manufacturing	ITALY	Moderate Risk

Layer	Production Phase	Country	Country Risk / Provider
HEAVIER VISCOSE SILK STRETCH DBL GGT	Finishing & Packaging	ITALY	Moderate Risk
22MM VISCOSE SILK STRETCH DBL GGT	Raw Material	CHINA	High Risk
22MM VISCOSE SILK STRETCH DBL GGT	Yarn Production	CHINA	High Risk
22MM VISCOSE SILK STRETCH DBL GGT	Fabric Production	CHINA	High Risk
22MM VISCOSE SILK STRETCH DBL GGT	Cutting & Stitching	ITALY	Moderate Risk
22MM VISCOSE SILK STRETCH DBL GGT	Garment Manufacturing	ITALY	Moderate Risk
22MM VISCOSE SILK STRETCH DBL GGT	Finishing & Packaging	ITALY	Moderate Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	5837.5	729.77	2543.99
Yarn Production	0	583.82	1780.79
Fabric Production	0	547.33	1907.99
Garment Manufacturing	0	972.45	3415.72
Total (Liters)	5837.5	2833.37	9648.49

Land Impact Summary	
Total Land Use (m2)	0.06

Soffio - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	70%	14.54	157.1333	2284.7189
Silk generic	28%	52.5	43.9973	2309.8602
Elastane generic	2%	10.7	8.979	96.0758
Total	100%	77.74	210.11	4690.65

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

Soffio - Yarn Production

Process Name	Material		
Carding (CO2e g)	Viscose generic (ITALY) 19.5508	Silk generic (ITALY) 5.4742	Elastane generic (ITALY) 1.1172
Winding (CO2e g)	Viscose generic (ITALY) 44.9669	Silk generic (ITALY) 12.5907	Elastane generic (ITALY) 2.5695
Sizing (CO2e g)	Viscose generic (ITALY) 0.9356	Silk generic (ITALY) 0.262	Elastane generic (ITALY) 0.0535
Ring Spinning (CO2e g)	Viscose generic (ITALY) 93.8441	Silk generic (ITALY) 26.2763	Elastane generic (ITALY) 5.3625

Process Name	Material		
Warping (CO2e g)	Viscose generic (ITALY) 3.181	Silk generic (ITALY) 0.8907	Elastane generic (ITALY) 0.1818
Roving (Co2e g)	Viscose generic (ITALY) 7.8203	Silk generic (ITALY) 2.1897	Elastane generic (ITALY) 0.4469
Dyeing (CO2e g)	Viscose generic (ITALY) 24.3253	Silk generic (ITALY) 6.8111	Elastane generic (ITALY) 1.39
Blowing (CO2e g)	Viscose generic (ITALY) 17.5958	Silk generic (ITALY) 4.9268	Elastane generic (ITALY) 1.0055
Drawing (CO2e g)	Viscose generic (ITALY) 11.7305	Silk generic (ITALY) 3.2845	Elastane generic (ITALY) 0.6703
Total	223.9503	62.70600000000001	12.7972

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

Soffio - Cutting & Stitching

Process Name	Material		
Major cutting	Viscose generic (INDIA) 0.0074	Silk generic (INDIA) 0.0021	Elastane generic (INDIA) 0.0004
Total	0.0074	0.0021	0.0004

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

Soffio - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Viscose generic (INDIA) 149.9806	Silk generic (INDIA) 41.9946	Elastane generic (INDIA) 8.5703
Finishing Emissions (CO2g)	Viscose generic (INDIA) 91.4516	Silk generic (INDIA) 25.6065	Elastane generic (INDIA) 5.2258
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 91.4516	Silk generic (INDIA) 25.6065	Elastane generic (INDIA) 5.2258
Washing & Drying Emissions	Viscose generic (INDIA) 13.4129	Silk generic (INDIA) 3.7556	Elastane generic (INDIA) 0.7665
Total	346.2967	96.9632	19.7884

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Elastane generic	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.1717	18

Soffio - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Viscose generic (ITALY) 0.0839	Silk generic (ITALY) 0.0235	Elastane generic (ITALY) 0.0048
Coating (CO2e g)	Viscose generic (ITALY) 0	Silk generic (ITALY) 0	Elastane generic (ITALY) 0
Bonding (CO2e g)	Viscose generic (ITALY) 0.1741	Silk generic (ITALY) 0.0488	Elastane generic (ITALY) 0.0099
Weaving (CO2e g)	Viscose generic (ITALY) 79.7137	Silk generic (ITALY) 22.3198	Elastane generic (ITALY) 4.5551
Total	79.9717	22.3921	4.569800000000001

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	ITALY	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Silk generic	ITALY	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Elastane generic	ITALY	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

Soffio - Finishing & Packaging

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

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

HEAVIER VISCOSE SILK STRETCH DBL GGT - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk generic	54%	52.5	84.852	4454.7304
Viscose generic	40%	14.54	89.7905	1305.5537
Elastane generic	6%	10.7	26.9371	288.2275

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
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Total	100%	77.74	201.58	6048.51
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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

HEAVIER VISCOSE SILK STRETCH DBL GGT - Yarn Production

Process Name	Material		
Carding (CO2e g)	Silk generic (CHINA) 21.8662	Viscose generic (CHINA) 23.1388	Elastane generic (CHINA) 6.9416
Winding (CO2e g)	Silk generic (CHINA) 50.2922	Viscose generic (CHINA) 53.2193	Elastane generic (CHINA) 15.9658
Sizing (CO2e g)	Silk generic (CHINA) 1.0464	Viscose generic (CHINA) 1.1073	Elastane generic (CHINA) 0.3322
Ring Spinning (CO2e g)	Silk generic (CHINA) 104.9577	Viscose generic (CHINA) 111.0664	Elastane generic (CHINA) 33.3199
Warping (CO2e g)	Silk generic (CHINA) 3.5577	Viscose generic (CHINA) 3.7648	Elastane generic (CHINA) 1.1294
Roving (Co2e g)	Silk generic (CHINA) 8.7465	Viscose generic (CHINA) 9.2555	Elastane generic (CHINA) 2.7767
Dyeing (CO2e g)	Silk generic (CHINA) 27.206	Viscose generic (CHINA) 28.7895	Elastane generic (CHINA) 8.6368
Blowing (CO2e g)	Silk generic (CHINA) 19.6796	Viscose generic (CHINA) 20.8249	Elastane generic (CHINA) 6.2475
Drawing (CO2e g)	Silk generic (CHINA) 13.1197	Viscose generic (CHINA) 13.8833	Elastane generic (CHINA) 4.165
Total	250.472	265.0498	79.5149

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

HEAVIER VISCOSE SILK STRETCH DBL GGT - Cutting & Stitching

Process Name	Material		
Major cutting	Silk generic (ITALY) 0.0014	Viscose generic (ITALY) 0.0015	Elastane generic (ITALY) 0.0004
Total	0.0014	0.0015	0.0004

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	ITALY	ITALY		0

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
Total				0

HEAVIER VISCOSE SILK STRETCH DBL GGT - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Silk generic (ITALY) 27.8662	Viscose generic (ITALY) 29.4881	Elastane generic (ITALY) 8.8464
Finishing Emissions (CO2g)	Silk generic (ITALY) 16.9916	Viscose generic (ITALY) 17.9805	Elastane generic (ITALY) 5.3942
Laundry Emissions (CO2e g)	Silk generic (ITALY) 16.9916	Viscose generic (ITALY) 17.9805	Elastane generic (ITALY) 5.3942
Washing & Drying Emissions	Silk generic (ITALY) 2.4921	Viscose generic (ITALY) 2.6371	Elastane generic (ITALY) 0.7911
Total	64.3415	68.08619999999999	20.4259

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	0.1717	18

HEAVIER VISCOSE SILK STRETCH DBL GGT - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.0938	Viscose generic (CHINA) 0.0993	Elastane generic (CHINA) 0.0298
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.1947	Viscose generic (CHINA) 0.2061	Elastane generic (CHINA) 0.0618
Weaving (CO2e g)	Silk generic (CHINA) 89.154	Viscose generic (CHINA) 94.3429	Elastane generic (CHINA) 28.3029
Total	89.4425	94.6483	28.3945

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

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

HEAVIER VISCOSE SILK STRETCH DBL GGT - 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

22MM VISCOSE SILK STRETCH DBL GGT - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	224.4762	3263.8841
Total	100%	14.54	224.48	3263.88

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

22MM VISCOSE SILK STRETCH DBL GGT - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 57.8471
Winding (CO2e g)	Viscose generic (CHINA) 133.0483
Sizing (CO2e g)	Viscose generic (CHINA) 2.7682
Ring Spinning (CO2e g)	Viscose generic (CHINA) 277.6659
Warping (CO2e g)	Viscose generic (CHINA) 9.4119
Roving (Co2e g)	Viscose generic (CHINA) 23.1388
Dyeing (CO2e g)	Viscose generic (CHINA) 71.9737
Blowing (CO2e g)	Viscose generic (CHINA) 52.0624
Drawing (CO2e g)	Viscose generic (CHINA) 34.7082
Total	662.6245000000001

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

22MM VISCOSE SILK STRETCH DBL GGT - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (ITALY) 0.0036
Total	0.0036

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	ITALY	ITALY		0
Total				0

22MM VISCOSE SILK STRETCH DBL GGT - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (ITALY) 73.7202
Finishing Emissions (CO2g)	Viscose generic (ITALY) 44.9514
Laundry Emissions (CO2e g)	Viscose generic (ITALY) 44.9514
Washing & Drying Emissions	Viscose generic (ITALY) 6.5929
Total	170.21590000000003

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	ITALY	ITALY		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.1717	18

22MM VISCOSE SILK STRETCH DBL GGT - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.2483
Coating (CO2e g)	Viscose generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.5152
Weaving (CO2e g)	Viscose generic (CHINA) 235.8572
Total	236.6207

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

22MM VISCOSE SILK STRETCH DBL GGT - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose 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
Viscose generic	ITALY	UNITED KINGDOM	AIR - 0	0
Silk generic	ITALY	UNITED KINGDOM	AIR - 0	0
Elastane generic	ITALY	UNITED KINGDOM	AIR - 0	0
Total				0

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