

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWSOF53348

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	regular	0
Sleeves	long	0.289
Neck	boat	-0.045
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

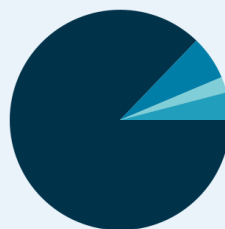
Property Name	Property Value	SQM
Length	calf	0.5658
Shape	tulle	484
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

19.46 kg CO₂e

Estimated Offsetting Cost In EUR *

1.95 €



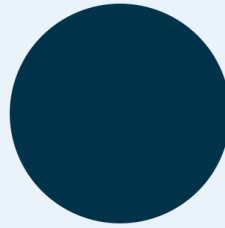
- Raw Material (87.20%)
- Yarn Production (6.46%)
- Fabric Production (2.31%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.05%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

16.97 kg CO₂e

Estimated Offsetting Cost In EUR *

1.7 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

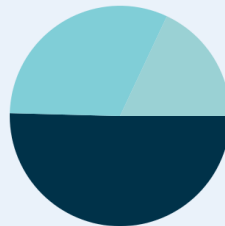
0 €

Process Carbon Footprint

2.49 kg CO₂e

Estimated Offsetting Cost In EUR *

0.25 €



- Yarn Production (50.48%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (31.62%)
- Fabric Production (18.03%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
Silk Light Georgette	Raw Material	CHINA	High Risk
Silk Light Georgette	Yarn Production	CHINA	High Risk
Silk Light Georgette	Fabric Production	CHINA	High Risk
Silk Light Georgette	Cutting & Stitching	INDIA	High Risk
Silk Light Georgette	Garment Manufacturing	INDIA	High Risk
Silk Light Georgette	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	CHINA	High Risk
22mm Viscose Silk Stretch Double Georgette	Garment Manufacturing	CHINA	High Risk

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

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	9708.75	830.58	5159.08
Yarn Production	0	664.46	3611.36
Fabric Production	0	622.93	3869.31
Garment Manufacturing	0	952.01	6410.47
Total (Liters)	9708.75	3069.98	19050.22

Land Impact Summary	
Total Land Use (m2)	0.05

Silk Light Georgette - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk generic	100%	52.5	186.5273	9792.6854
Total	100%	52.5	186.53	9792.69

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

Silk Light Georgette - Yarn Production

Process Name	Material
Carding (CO2e g)	Silk generic (CHINA) 48.0677
Winding (CO2e g)	Silk generic (CHINA) 110.5558
Sizing (CO2e g)	Silk generic (CHINA) 2.3002
Ring Spinning (CO2e g)	Silk generic (CHINA) 230.7251
Warping (CO2e g)	Silk generic (CHINA) 7.8208
Roving (Co2e g)	Silk generic (CHINA) 19.2271
Dyeing (CO2e g)	Silk generic (CHINA) 59.8061
Blowing (CO2e g)	Silk generic (CHINA) 43.261
Drawing (CO2e g)	Silk generic (CHINA) 28.8406
Total	550.6044

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

Silk Light Georgette - Cutting & Stitching

Process Name	Material
Major cutting	Silk generic (INDIA) 0.0088
Total	0.0088

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

Silk Light Georgette - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Silk generic (INDIA) 178.0366
Finishing Emissions (CO2g)	Silk generic (INDIA) 108.5589
Laundry Emissions (CO2e g)	Silk generic (INDIA) 108.5589
Washing & Drying Emissions	Silk generic (INDIA) 15.922
Total	411.07640000000004

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.5247	55

Silk Light Georgette - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Silk generic (CHINA) 0.2063
Coating (CO2e g)	Silk generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.4281
Weaving (CO2e g)	Silk generic (CHINA) 195.9843
Total	196.6187

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

Silk Light Georgette - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	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	100.7248	5288.0501
Viscose generic	40%	14.54	106.5871	1549.7757
Elastane generic	6%	10.7	31.9761	342.1444
Total	100%	77.74	239.29	7179.97

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) 25.9566	Viscose generic (CHINA) 27.4673	Elastane generic (CHINA) 8.2402
Winding (CO2e g)	Silk generic (CHINA) 59.7001	Viscose generic (CHINA) 63.1747	Elastane generic (CHINA) 18.9524
Sizing (CO2e g)	Silk generic (CHINA) 1.2421	Viscose generic (CHINA) 1.3144	Elastane generic (CHINA) 0.3943
Ring Spinning (CO2e g)	Silk generic (CHINA) 124.5915	Viscose generic (CHINA) 131.8429	Elastane generic (CHINA) 39.5529
Warping (CO2e g)	Silk generic (CHINA) 4.2232	Viscose generic (CHINA) 4.469	Elastane generic (CHINA) 1.3407
Roving (Co2e g)	Silk generic (CHINA) 10.3826	Viscose generic (CHINA) 10.9869	Elastane generic (CHINA) 3.2961
Dyeing (CO2e g)	Silk generic (CHINA) 32.2953	Viscose generic (CHINA) 34.1749	Elastane generic (CHINA) 10.2525
Blowing (CO2e g)	Silk generic (CHINA) 23.3609	Viscose generic (CHINA) 24.7205	Elastane generic (CHINA) 7.4162
Drawing (CO2e g)	Silk generic (CHINA) 15.5739	Viscose generic (CHINA) 16.4804	Elastane generic (CHINA) 4.9441
Total	297.3262	314.631	94.38940000000001

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) 0.0034	Viscose generic (CHINA) 0.0036	Elastane generic (CHINA) 0.0011
Total	0.0034	0.0036	0.0011

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) 68.512	Viscose generic (CHINA) 72.4994	Elastane generic (CHINA) 21.7498
Finishing Emissions (CO2g)	Silk generic (CHINA) 41.7756	Viscose generic (CHINA) 44.207	Elastane generic (CHINA) 13.2621
Laundry Emissions (CO2e g)	Silk generic (CHINA) 41.7756	Viscose generic (CHINA) 44.207	Elastane generic (CHINA) 13.2621
Washing & Drying Emissions	Silk generic (CHINA) 6.1271	Viscose generic (CHINA) 6.4837	Elastane generic (CHINA) 1.9451
Total	158.1903	167.3971	50.2191

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
Addition	Zip (cm)	INDIA	0.5247	55

22mm Viscose Silk Stretch Double Georgette - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.1114	Viscose generic (CHINA) 0.1179	Elastane generic (CHINA) 0.0354
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.2312	Viscose generic (CHINA) 0.2446	Elastane generic (CHINA) 0.0734
Weaving (CO2e g)	Silk generic (CHINA) 105.8315	Viscose generic (CHINA) 111.991	Elastane generic (CHINA) 33.5973
Total	106.17410000000001	112.3535	33.7061

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
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

Final Transportation

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

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