

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWLLY54871

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	slim	1.44
Sleeves	no sleeves	0
Neck	v neck	-0.016
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

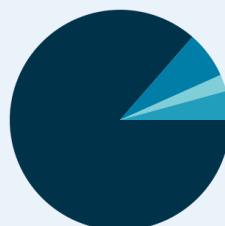
Property Name	Property Value	SQM
Length	long	0.69
Shape	tulle	484
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

26.93 kg CO₂e

Estimated Offsetting Cost In EUR *

2.69 €



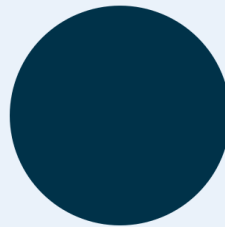
- Raw Material (86.41%)
- Yarn Production (6.89%)
- Fabric Production (2.46%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.24%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

23.27 kg CO₂e

Estimated Offsetting Cost In EUR *

2.33 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

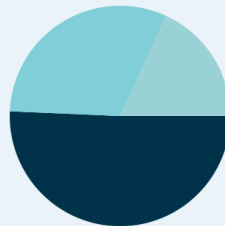
0 €

Process Carbon Footprint

3.66 kg CO₂e

Estimated Offsetting Cost In EUR *

0.37 €



- Yarn Production (50.68%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (31.21%)
- Fabric Production (18.10%)
- 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	INDIA	High Risk
Silk Light Georgette	Yarn Production	INDIA	High Risk
Silk Light Georgette	Fabric Production	INDIA	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	INDIA	High Risk
22mm Viscose Silk Stretch Double Georgette	Garment Manufacturing	INDIA	High Risk

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

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	9948.09	853.51	5302.64
Yarn Production	0	682.81	3711.85
Fabric Production	0	640.13	3976.98
Garment Manufacturing	0	978.18	6588.65
Total (Liters)	9948.09	3154.63	19580.12

Land Impact Summary	
Total Land Use (m2)	0.06

Silk Light Georgette - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk India	100%	80.9	191.1256	15462.0609
Total	100%	80.9	191.13	15462.06

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

Silk Light Georgette - Yarn Production

Process Name	Material
Carding (CO2e g)	Silk India (INDIA) 69.1141
Winding (CO2e g)	Silk India (INDIA) 158.9624
Sizing (CO2e g)	Silk India (INDIA) 3.3074
Ring Spinning (CO2e g)	Silk India (INDIA) 331.7476
Warping (CO2e g)	Silk India (INDIA) 11.2451
Roving (Co2e g)	Silk India (INDIA) 27.6456
Dyeing (CO2e g)	Silk India (INDIA) 85.9921
Blowing (CO2e g)	Silk India (INDIA) 62.2027
Drawing (CO2e g)	Silk India (INDIA) 41.4684
Total	791.6853999999998

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

Silk Light Georgette - Cutting & Stitching

Process Name	Material
Major cutting	Silk India (INDIA) 0.009
Total	0.009

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

Silk Light Georgette - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Silk India (INDIA) 182.4256
Finishing Emissions (CO2g)	Silk India (INDIA) 111.2351
Laundry Emissions (CO2e g)	Silk India (INDIA) 111.2351
Washing & Drying Emissions	Silk India (INDIA) 16.3145
Total	421.2103

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.2862	30

Silk Light Georgette - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Silk India (INDIA) 0.2966
Coating (CO2e g)	Silk India (INDIA) 0
Bonding (CO2e g)	Silk India (INDIA) 0.6155
Weaving (CO2e g)	Silk India (INDIA) 281.7956
Total	282.7077

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

Silk Light Georgette - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk India	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	103.2078	5418.4107
Viscose generic	40%	14.54	109.2146	1587.9807
Elastane generic	6%	10.7	32.7644	350.579
Total	100%	77.74	245.19	7356.97

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) 26.5964	Viscose generic (CHINA) 28.1444	Elastane generic (CHINA) 8.4433
Winding (CO2e g)	Silk generic (CHINA) 61.1718	Viscose generic (CHINA) 64.7321	Elastane generic (CHINA) 19.4196
Sizing (CO2e g)	Silk generic (CHINA) 1.2727	Viscose generic (CHINA) 1.3468	Elastane generic (CHINA) 0.404
Ring Spinning (CO2e g)	Silk generic (CHINA) 127.663	Viscose generic (CHINA) 135.0931	Elastane generic (CHINA) 40.5279
Warping (CO2e g)	Silk generic (CHINA) 4.3273	Viscose generic (CHINA) 4.5792	Elastane generic (CHINA) 1.3738
Roving (Co2e g)	Silk generic (CHINA) 10.6386	Viscose generic (CHINA) 11.2578	Elastane generic (CHINA) 3.3773
Dyeing (CO2e g)	Silk generic (CHINA) 33.0915	Viscose generic (CHINA) 35.0174	Elastane generic (CHINA) 10.5052
Blowing (CO2e g)	Silk generic (CHINA) 23.9368	Viscose generic (CHINA) 25.33	Elastane generic (CHINA) 7.599
Drawing (CO2e g)	Silk generic (CHINA) 15.9579	Viscose generic (CHINA) 16.8866	Elastane generic (CHINA) 5.066
Total	304.656	322.38739999999996	96.71610000000003

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

22mm Viscose Silk Stretch Double Georgette - Cutting & Stitching

Process Name	Material			
Major cutting	Silk generic (INDIA) 0.0049	Viscose generic (INDIA) 0.0052	Elastane generic (INDIA) 0.0015	
Total	0.0049	0.0052	0.0015	

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

22mm Viscose Silk Stretch Double Georgette - Garment Manufacturing

Process Name	Material			
Garment dyeing (CO2e g)	Silk generic (INDIA) 98.5098	Viscose generic (INDIA) 104.2432	Elastane generic (INDIA) 31.273	
Finishing Emissions (CO2g)	Silk generic (INDIA) 60.067	Viscose generic (INDIA) 63.5629	Elastane generic (INDIA) 19.0689	
Laundry Emissions (CO2e g)	Silk generic (INDIA) 60.067	Viscose generic (INDIA) 63.5629	Elastane generic (INDIA) 19.0689	
Washing & Drying Emissions	Silk generic (INDIA) 8.8098	Viscose generic (INDIA) 9.3226	Elastane generic (INDIA) 2.7968	
Total	227.4536	240.69160000000002	72.2076	

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.2862	30

22mm Viscose Silk Stretch Double Georgette - Fabric Production

Process Name	Material			
Heat Setting (CO2e g)	Silk generic (CHINA) 0.1141	Viscose generic (CHINA) 0.1208	Elastane generic (CHINA) 0.0362	
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0	
Bonding (CO2e g)	Silk generic (CHINA) 0.2369	Viscose generic (CHINA) 0.2506	Elastane generic (CHINA) 0.0752	

Process Name	Material		
Weaving (CO2e g)	Silk generic (CHINA) 108.4405	Viscose generic (CHINA) 114.7518	Elastane generic (CHINA) 34.4255
Total	108.7915	115.1232	34.5369

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

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

Dot Tulle - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Nylon 6	100%	5.5	81.911	450.5103
Total	100%	5.5	81.91	450.51

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	INDIA	INDIA		0
Total				0

Dot Tulle - Yarn Production

Process Name	Material
Carding (CO2e g)	Nylon 6 (INDIA) 29.6203
Winding (CO2e g)	Nylon 6 (INDIA) 68.1267
Sizing (CO2e g)	Nylon 6 (INDIA) 1.4175
Ring Spinning (CO2e g)	Nylon 6 (INDIA) 142.1775
Warping (CO2e g)	Nylon 6 (INDIA) 4.8193

Process Name	Material
Roving (CO2e g)	Nylon 6 (INDIA) 11.8481
Dyeing (CO2e g)	Nylon 6 (INDIA) 36.8538
Blowing (CO2e g)	Nylon 6 (INDIA) 26.6583
Drawing (CO2e g)	Nylon 6 (INDIA) 17.7722
Total	339.2937

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	INDIA	INDIA		0
Total				0

Dot Tulle - Cutting & Stitching

Process Name	Material
Major cutting	Nylon 6 (INDIA) 0.0039
Total	0.0039

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	INDIA	INDIA		0
Total				0

Dot Tulle - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Nylon 6 (INDIA) 78.1824
Finishing Emissions (CO2g)	Nylon 6 (INDIA) 47.6722
Laundry Emissions (CO2e g)	Nylon 6 (INDIA) 47.6722
Washing & Drying Emissions	Nylon 6 (INDIA) 6.9919
Total	180.5187

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.2862	30

Dot Tulle - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Nylon 6 (INDIA) 0.1271
Coating (CO2e g)	Nylon 6 (INDIA) 0
Bonding (CO2e g)	Nylon 6 (INDIA) 0.2638
Weaving (CO2e g)	Nylon 6 (INDIA) 120.7695
Total	121.1604

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	INDIA	INDIA		0
Total				0

Dot Tulle - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	INDIA	INDIA		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 India	INDIA	UNITED KINGDOM	AIR - 0	0
Total				0

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