



Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU
DRESSES	MONIKH JUMPSUIT

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	open back	-0.032
EU SIZE	L woman	0.19897744204083448

Layer	Gender	Wastage Percentage
Skirts	Women	5%

Property Name	Property Value	SQM
Length	calf	0.5658
Shape	tube straight	0
Rise	regular	0
EU SIZE	L woman	0.19897744204083448

External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk India	95%	80.9	77.4473	6265.4904
Spandex Elastan	5%	10.7	11.0639	118.3838
Total	100%	91.6	88.51	6383.87

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

External - Yarn Production

Process Name	Material	
Carding (CO2e g)	Silk India (INDIA) 28.0062	Spandex Elastan (INDIA) 4.0009
Winding (CO2e g)	Silk India (INDIA) 64.4143	Spandex Elastan (INDIA) 9.202
Sizing (CO2e g)	Silk India (INDIA) 1.3402	Spandex Elastan (INDIA) 0.1915
Ring Spinning (CO2e g)	Silk India (INDIA) 134.4298	Spandex Elastan (INDIA) 19.2043
Warping (CO2e g)	Silk India (INDIA) 4.5567	Spandex Elastan (INDIA) 0.651
Roving (Co2e g)	Silk India (INDIA) 11.2025	Spandex Elastan (INDIA) 1.6004
Yarn Production - Dyeing (CO2e g)	Silk India (INDIA) 34.8455	Spandex Elastan (INDIA) 4.9779
Blowing (CO2e g)	Silk India (INDIA) 25.2056	Spandex Elastan (INDIA) 3.6008
Drawing (CO2e g)	Silk India (INDIA) 16.8037	Spandex Elastan (INDIA) 2.4005
Total	320.8045	45.8293

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

External - Cutting & Stitching

Process Name	Material	
Major cutting	Silk India (INDIA) 0.0037	Spandex Elastan (INDIA) 0.0005
Total	0.0037	0.0005

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

External - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Silk India (INDIA) 0.1202	Spandex Elastan (INDIA) 0.0172
Weaving (CO2e g)	Silk India (INDIA) 114.1884	Spandex Elastan (INDIA) 16.3126
Total	114.3086	16.3298

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

External - Garment Manufacturing

Process Name	Material	
Finishing Emissions (CO2g)	Silk India (INDIA) 45.0744	Spandex Elastan (INDIA) 6.4392
Laundry Emissions (CO2e g)	Silk India (INDIA) 45.0744	Spandex Elastan (INDIA) 6.4392
Washing & Drying Emissions	Silk India (INDIA) 6.6109	Spandex Elastan (INDIA) 0.9444
Total	96.7597	13.822799999999999

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.1908	20

External - Finishing & Packaging

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

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

Fabric_2 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk India	100%	80.9	81.5235	6595.2531
Total	100%	80.9	81.52	6595.25

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

Fabric_2 - Yarn Production

Process Name	Material
Carding (CO2e g)	Silk India (INDIA) 29.4802
Winding (CO2e g)	Silk India (INDIA) 67.8045
Sizing (CO2e g)	Silk India (INDIA) 1.4107
Ring Spinning (CO2e g)	Silk India (INDIA) 141.505
Warping (CO2e g)	Silk India (INDIA) 4.7965
Roving (Co2e g)	Silk India (INDIA) 11.7921
Yarn Production - Dyeing (CO2e g)	Silk India (INDIA) 36.6795
Blowing (CO2e g)	Silk India (INDIA) 26.5322

Process Name	Material
Drawing (CO2e g)	Silk India (INDIA) 17.6881
Total	337.6888

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

Fabric_2 - Cutting & Stitching

Process Name	Material
Major cutting	Silk India (INDIA) 0.0038
Total	0.0038

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

Fabric_2 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Silk India (INDIA) 0.1265
Weaving (CO2e g)	Silk India (INDIA) 120.1983
Total	120.3248

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

Fabric_2 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Silk India (INDIA) 47.4467
Laundry Emissions (CO2e g)	Silk India (INDIA) 47.4467
Washing & Drying Emissions	Silk India (INDIA) 6.9588
Total	101.8522

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	0.1908	20

Fabric_2 - 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

Final Transportation

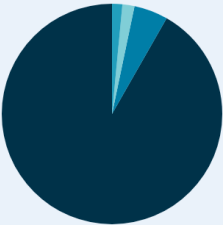
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk India	INDIA	UNITED KINGDOM	AIR - 0	0
Spandex Elastan	INDIA	UNITED KINGDOM	AIR - 0	0
Total				0

Total Carbon Footprint

14.15 kg CO₂e

Estimated Offsetting Cost In EUR *

1.42 €



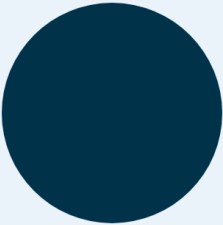
- Raw Material (91.73%)
- Yarn Production (4.98%)
- Fabric Production (1.77%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (1.50%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

12.98 kg CO₂e

Estimated Offsetting Cost In EUR *

1.3 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

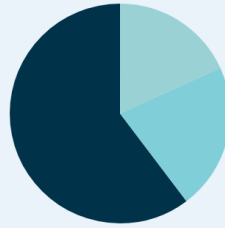
0 €

Process Carbon Footprint

1.17 kg CO₂e

Estimated Offsetting Cost In EUR *

0.12 €



- Yarn Production (60.20%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.45%)
- Garment Manufacturing (18.17%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

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