



Product Carbon Footprint Calculation Results

02/04/2025 - 15:45

Product	SKU
DRESSES	SOFIA STRAPPY DRESS

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	long	0.69
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	long	0.69
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
Viscose generic	67%	14.54	92.9771	1351.8876
Acetate	33%	38	77.851	2958.3382
Total	100%	52.54	170.83	4310.23

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

External - Yarn Production

Process Name	Material	
Carding (CO2e g)	Viscose generic (CHINA) 23.96	Acetate (CHINA) 20.062
Winding (CO2e g)	Viscose generic (CHINA) 55.1081	Acetate (CHINA) 46.1427
Sizing (CO2e g)	Viscose generic (CHINA) 1.1466	Acetate (CHINA) 0.9601
Ring Spinning (CO2e g)	Viscose generic (CHINA) 115.0081	Acetate (CHINA) 96.2978
Warping (CO2e g)	Viscose generic (CHINA) 3.8984	Acetate (CHINA) 3.2642
Roving (Co2e g)	Viscose generic (CHINA) 9.584	Acetate (CHINA) 8.0248
Yarn Production - Dyeing (CO2e g)	Viscose generic (CHINA) 29.8112	Acetate (CHINA) 24.9613
Blowing (CO2e g)	Viscose generic (CHINA) 21.564	Acetate (CHINA) 18.0558
Drawing (CO2e g)	Viscose generic (CHINA) 14.376	Acetate (CHINA) 12.0372
Total	274.45640000000003	229.8059

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

External - Cutting & Stitching

Process Name	Material	
Major cutting	Viscose generic (INDIA) 0.0044	Acetate (INDIA) 0.0037
Total	0.0044	0.0037

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

External - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1028	Acetate (CHINA) 0.0861
Weaving (CO2e g)	Viscose generic (CHINA) 97.6911	Acetate (CHINA) 81.7981
Total	97.79390000000001	81.8842

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

External - Garment Manufacturing

Process Name	Material	
Finishing Emissions (CO2g)	Viscose generic (INDIA) 54.1127	Acetate (INDIA) 45.3093
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 54.1127	Acetate (INDIA) 45.3093
Washing & Drying Emissions	Viscose generic (INDIA) 7.9365	Acetate (INDIA) 6.6454
Total	116.16189999999999	97.264

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.1908	20
Addition	Swarovski (10grams/unit)	INDIA	0.3708	5

External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	INDIA		0
Acetate	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 generic	54%	52.5	52.4558	2753.9273
Viscose generic	40%	14.54	55.5087	807.0971
Elastane generic	6%	10.7	16.6526	178.1831
Total	100%	77.74	124.62	3739.21

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

Fabric_2 - Yarn Production

Process Name	Material		
Carding (CO2e g)	Silk generic (CHINA) 13.5177	Viscose generic (CHINA) 14.3045	Elastane generic (CHINA) 4.2913

Process Name	Material		
Winding (CO2e g)	Silk generic (CHINA) 31.0908	Viscose generic (CHINA) 32.9003	Elastane generic (CHINA) 9.8701
Sizing (CO2e g)	Silk generic (CHINA) 0.6469	Viscose generic (CHINA) 0.6845	Elastane generic (CHINA) 0.2054
Ring Spinning (CO2e g)	Silk generic (CHINA) 64.8852	Viscose generic (CHINA) 68.6616	Elastane generic (CHINA) 20.5985
Warping (CO2e g)	Silk generic (CHINA) 2.1994	Viscose generic (CHINA) 2.3274	Elastane generic (CHINA) 0.6982
Roving (Co2e g)	Silk generic (CHINA) 5.4071	Viscose generic (CHINA) 5.7218	Elastane generic (CHINA) 1.7165
Yarn Production - Dyeing (CO2e g)	Silk generic (CHINA) 16.8189	Viscose generic (CHINA) 17.7977	Elastane generic (CHINA) 5.3393
Blowing (CO2e g)	Silk generic (CHINA) 12.166	Viscose generic (CHINA) 12.874	Elastane generic (CHINA) 3.8622
Drawing (CO2e g)	Silk generic (CHINA) 8.1106	Viscose generic (CHINA) 8.5827	Elastane generic (CHINA) 2.5748
Total	154.8426	163.8545	49.1563

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

Fabric_2 - Cutting & Stitching

Process Name	Material		
Major cutting	Silk generic (INDIA) 0.0025	Viscose generic (INDIA) 0.0026	Elastane generic (INDIA) 0.0008
Total	0.0025	0.0026	0.0008

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

Fabric_2 - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.058	Viscose generic (CHINA) 0.0614	Elastane generic (CHINA) 0.0184
Weaving (CO2e g)	Silk generic (CHINA) 55.1153	Viscose generic (CHINA) 58.323	Elastane generic (CHINA) 17.4969
Total	55.1733	58.3844	17.5153

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

Fabric_2 - Garment Manufacturing

Process Name	Material		
Finishing Emissions (CO2g)	Silk generic (INDIA) 30.5293	Viscose generic (INDIA) 32.3061	Elastane generic (INDIA) 9.6918
Laundry Emissions (CO2e g)	Silk generic (INDIA) 30.5293	Viscose generic (INDIA) 32.3061	Elastane generic (INDIA) 9.6918
Washing & Drying Emissions	Silk generic (INDIA) 4.4776	Viscose generic (INDIA) 4.7382	Elastane generic (INDIA) 1.4215
Total	65.5362	69.35040000000001	20.805100000000003

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	0.1908	20
Addition	Swarovski (10grams/unit)	INDIA	0.3708	5

Fabric_2 - 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

Fabric_3 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyamide	100%	4.6	55.5087	255.3402
Total	100%	4.6	55.51	255.34

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	ITALY	ITALY		0
Total				0

Fabric_3 - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyamide (ITALY) 6.9065
Winding (CO2e g)	Polyamide (ITALY) 15.885
Sizing (CO2e g)	Polyamide (ITALY) 0.3305
Ring Spinning (CO2e g)	Polyamide (ITALY) 33.1512
Warping (CO2e g)	Polyamide (ITALY) 1.1237
Roving (Co2e g)	Polyamide (ITALY) 2.7626
Yarn Production - Dyeing (CO2e g)	Polyamide (ITALY) 8.5931
Blowing (CO2e g)	Polyamide (ITALY) 6.2159
Drawing (CO2e g)	Polyamide (ITALY) 4.1439
Total	79.11240000000001

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	ITALY	ITALY		0
Total				0

Fabric_3 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyamide (ITALY) 0.0296
Weaving (CO2e g)	Polyamide (ITALY) 28.1596
Total	28.1892

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

Fabric_3 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Polyamide (INDIA) 32.3061
Laundry Emissions (CO2e g)	Polyamide (INDIA) 32.3061
Washing & Drying Emissions	Polyamide (INDIA) 4.7382

Process Name	Material
Total	69.35040000000001

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	0.1908	20
Addition	Swarovski (10grams/unit)	INDIA	0.3708	5

Fabric_3 - 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

Final Transportation

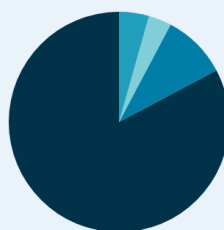
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	UNITED KINGDOM	AIR - 0	0
Acetate	INDIA	UNITED KINGDOM	AIR - 0	0
Total				0

Total Carbon Footprint

10.03 kg CO₂e

Estimated Offsetting Cost In EUR *

1 €



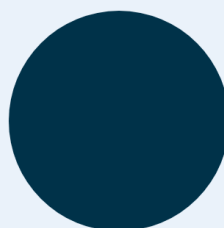
- Raw Material (82.75%)
- Yarn Production (9.48%)
- Fabric Production (3.38%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.38%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

8.3 kg CO₂e

Estimated Offsetting Cost In EUR *

0.83 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

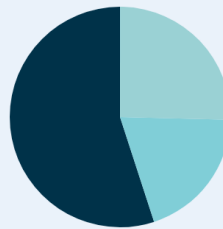
0 €

Process Carbon Footprint

1.73 kg CO₂e

Estimated Offsetting Cost In EUR *

0.17 €



- Yarn Production (54.98%)
- Cutting & Stitching (0.00%)
- Fabric Production (19.59%)
- Garment Manufacturing (25.38%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

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