



Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU
DRESSES	GUINEVERE SHIRT DRESS

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	slim	1.44
Sleeves	short	0.09
Neck	korean	0.019
EU SIZE	L woman	0.19897744204083448

Layer	Gender	Wastage Percentage
Skirts	Women	5%

Property Name	Property Value	SQM
Length	calf	0.5658
Shape	circle	324
Rise	regular	0
EU SIZE	L woman	0.19897744204083448

External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	60%	3.1	160.7984	498.4749
Cotton China	40%	2.37	160.7984	381.0921
Total	100%	5.47	321.6	879.57

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Total				0

External - Yarn Production

Process Name	Material	
Carding (CO2e g)	Polyester China (CHINA) 41.4374	Cotton China (CHINA) 41.4374
Winding (CO2e g)	Polyester China (CHINA) 95.3061	Cotton China (CHINA) 95.3061
Sizing (CO2e g)	Polyester China (CHINA) 1.9829	Cotton China (CHINA) 1.9829
Ring Spinning (CO2e g)	Polyester China (CHINA) 198.8996	Cotton China (CHINA) 198.8996
Warping (CO2e g)	Polyester China (CHINA) 6.742	Cotton China (CHINA) 6.742
Roving (Co2e g)	Polyester China (CHINA) 16.575	Cotton China (CHINA) 16.575
Yarn Production - Dyeing (CO2e g)	Polyester China (CHINA) 51.5567	Cotton China (CHINA) 51.5567
Blowing (CO2e g)	Polyester China (CHINA) 37.2937	Cotton China (CHINA) 37.2937
Drawing (CO2e g)	Polyester China (CHINA) 24.8624	Cotton China (CHINA) 24.8624
Total	474.65579999999994	474.65579999999994

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Total				0

External - Cutting & Stitching

Process Name	Material	
Major cutting	Polyester China (CHINA) 0.0054	Cotton China (CHINA) 0.0054
Total	0.0054	0.0054

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Total				0

External - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Polyester China (CHINA) 0.1778	Cotton China (CHINA) 0.1778
Weaving (CO2e g)	Polyester China (CHINA) 168.9508	Cotton China (CHINA) 168.9508
Total	169.12859999999998	169.12859999999998

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Total				0

External - Garment Manufacturing

Process Name	Material	
Finishing Emissions (CO2g)	Polyester China (CHINA) 66.6911	Cotton China (CHINA) 66.6911
Laundry Emissions (CO2e g)	Polyester China (CHINA) 66.6911	Cotton China (CHINA) 66.6911
Washing & Drying Emissions	Polyester China (CHINA) 9.7814	Cotton China (CHINA) 9.7814
Total	143.1636	143.1636

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Button Plastic Small Size	CHINA	0.0981	12

External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	CHINA	0.0862	1

Fabric_2 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	243.6339	3542.4365
Total	100%	14.54	243.63	3542.44

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

Fabric_2 - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 62.784
Winding (CO2e g)	Viscose generic (CHINA) 144.4031
Sizing (CO2e g)	Viscose generic (CHINA) 3.0045
Ring Spinning (CO2e g)	Viscose generic (CHINA) 301.363
Warping (CO2e g)	Viscose generic (CHINA) 10.2152
Roving (Co2e g)	Viscose generic (CHINA) 25.1136
Yarn Production - Dyeing (CO2e g)	Viscose generic (CHINA) 78.1162
Blowing (CO2e g)	Viscose generic (CHINA) 56.5056

Process Name	Material
Drawing (CO2e g)	Viscose generic (CHINA) 37.6704
Total	719.1756

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

Fabric_2 - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (CHINA) 0.0082
Total	0.0082

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

Fabric_2 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.2695
Weaving (CO2e g)	Viscose generic (CHINA) 255.9861
Total	256.2556

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

Fabric_2 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Viscose generic (CHINA) 101.0471
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 101.0471
Washing & Drying Emissions	Viscose generic (CHINA) 14.8202
Total	216.9144

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

Production Group	Process Name	Country	CO2e	Value
Addition	Button Plastic Small Size	CHINA	0.0981	12

Fabric_2 - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	CHINA	0.0862	1

Fabric_3 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton China	100%	2.37	401.9959	952.7303
Total	100%	2.37	402	952.73

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton China	CHINA	CHINA		0
Total				0

Fabric_3 - Yarn Production

Process Name	Material
Carding (CO2e g)	Cotton China (CHINA) 103.5935
Winding (CO2e g)	Cotton China (CHINA) 238.2651
Sizing (CO2e g)	Cotton China (CHINA) 4.9574
Ring Spinning (CO2e g)	Cotton China (CHINA) 497.249
Warping (CO2e g)	Cotton China (CHINA) 16.8551
Roving (Co2e g)	Cotton China (CHINA) 41.4374
Yarn Production - Dyeing (CO2e g)	Cotton China (CHINA) 128.8917
Blowing (CO2e g)	Cotton China (CHINA) 93.2342
Drawing (CO2e g)	Cotton China (CHINA) 62.1561
Total	1186.6395

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton China	CHINA	CHINA		0
Total				0

Fabric_3 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Cotton China (CHINA) 0.4446
Weaving (CO2e g)	Cotton China (CHINA) 422.3771
Total	422.82169999999996

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton China	CHINA	CHINA		0
Total				0

Fabric_3 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Cotton China (CHINA) 166.7278
Laundry Emissions (CO2e g)	Cotton China (CHINA) 166.7278
Washing & Drying Emissions	Cotton China (CHINA) 24.4534
Total	357.909

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton China	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Button Plastic Small Size	CHINA	0.0981	12

Fabric_3 - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton China	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	CHINA	0.0862	1

Final Transportation

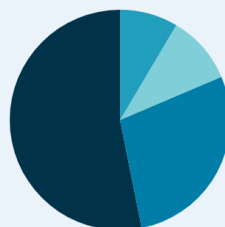
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	UNITED KINGDOM	AIR - 0	0
Cotton China	CHINA	UNITED KINGDOM	AIR - 0	0
Total				0

Total Carbon Footprint

10.1 kg CO₂e

Estimated Offsetting Cost In EUR *

1.01 €



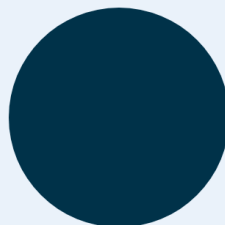
- Raw Material (53.17%)
- Yarn Production (28.27%)
- Fabric Production (10.07%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (8.53%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

5.37 kg CO₂e

Estimated Offsetting Cost In EUR *

0.54 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

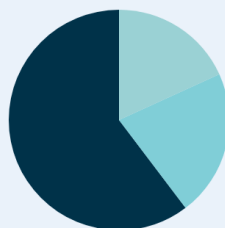
0 €

Process Carbon Footprint

4.73 kg CO₂e

Estimated Offsetting Cost In EUR *

0.47 €



- Yarn Production (60.36%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.51%)
- Garment Manufacturing (18.21%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

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