



Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU
DRESSES	GUINEVERE SHIRT DRESS W/O TIE

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	regular	0
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	166.0105	514.6326
Cotton China	40%	2.37	166.0105	393.4449
Total	100%	5.47	332.02	908.08

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) 42.7806	Cotton China (CHINA) 42.7806
Winding (CO2e g)	Polyester China (CHINA) 98.3953	Cotton China (CHINA) 98.3953
Sizing (CO2e g)	Polyester China (CHINA) 2.0472	Cotton China (CHINA) 2.0472
Ring Spinning (CO2e g)	Polyester China (CHINA) 205.3468	Cotton China (CHINA) 205.3468
Warping (CO2e g)	Polyester China (CHINA) 6.9606	Cotton China (CHINA) 6.9606
Roving (Co2e g)	Polyester China (CHINA) 17.1122	Cotton China (CHINA) 17.1122
Yarn Production - Dyeing (CO2e g)	Polyester China (CHINA) 53.2279	Cotton China (CHINA) 53.2279
Blowing (CO2e g)	Polyester China (CHINA) 38.5025	Cotton China (CHINA) 38.5025
Drawing (CO2e g)	Polyester China (CHINA) 25.6683	Cotton China (CHINA) 25.6683
Total	490.04139999999995	490.04139999999995

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) 0.0056	Cotton China (CHINA) 0.0056
Total	0.0056	0.0056

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) 0.1836	Cotton China (CHINA) 0.1836
Weaving (CO2e g)	Polyester China (CHINA) 174.4273	Cotton China (CHINA) 174.4273
Total	174.61090000000002	174.61090000000002

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) 68.8529	Cotton China (CHINA) 68.8529
Laundry Emissions (CO2e g)	Polyester China (CHINA) 68.8529	Cotton China (CHINA) 68.8529
Washing & Drying Emissions	Polyester China (CHINA) 10.0984	Cotton China (CHINA) 10.0984
Total	147.8042	147.8042

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	251.5311	3657.2622
Total	100%	14.54	251.53	3657.26

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) 64.8191
Winding (CO2e g)	Viscose generic (CHINA) 149.0838
Sizing (CO2e g)	Viscose generic (CHINA) 3.1019
Ring Spinning (CO2e g)	Viscose generic (CHINA) 311.1315
Warping (CO2e g)	Viscose generic (CHINA) 10.5463
Roving (Co2e g)	Viscose generic (CHINA) 25.9276
Yarn Production - Dyeing (CO2e g)	Viscose generic (CHINA) 80.6483
Blowing (CO2e g)	Viscose generic (CHINA) 58.3372

Process Name	Material
Drawing (CO2e g)	Viscose generic (CHINA) 38.8914
Total	742.4870999999999

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) 0.0085
Total	0.0085

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) 0.2782
Weaving (CO2e g)	Viscose generic (CHINA) 264.2837
Total	264.56190000000004

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) 104.3225
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 104.3225
Washing & Drying Emissions	Viscose generic (CHINA) 15.3006
Total	223.9456

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	415.0263	983.6124
Total	100%	2.37	415.03	983.61

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) 106.9515
Winding (CO2e g)	Cotton China (CHINA) 245.9883
Sizing (CO2e g)	Cotton China (CHINA) 5.1181
Ring Spinning (CO2e g)	Cotton China (CHINA) 513.367
Warping (CO2e g)	Cotton China (CHINA) 17.4014
Roving (Co2e g)	Cotton China (CHINA) 42.7806
Yarn Production - Dyeing (CO2e g)	Cotton China (CHINA) 133.0696
Blowing (CO2e g)	Cotton China (CHINA) 96.2563
Drawing (CO2e g)	Cotton China (CHINA) 64.1709
Total	1225.1037000000001

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) 0.459
Weaving (CO2e g)	Cotton China (CHINA) 436.0682
Total	436.5272

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) 172.1322
Laundry Emissions (CO2e g)	Cotton China (CHINA) 172.1322
Washing & Drying Emissions	Cotton China (CHINA) 25.2461
Total	369.51050000000004

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

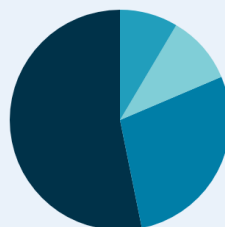
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	UNITED KINGDOM	AIR - 0	0
Cotton China	CHINA	UNITED KINGDOM	AIR - 0	0
Total				0

Total Carbon Footprint

10.44 kg CO₂e

Estimated Offsetting Cost In EUR *

1.04 €



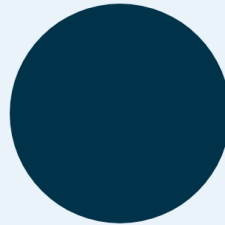
- Raw Material (53.16%)
- Yarn Production (28.23%)
- Fabric Production (10.06%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (8.52%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

5.55 kg CO₂e

Estimated Offsetting Cost In EUR *

0.56 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

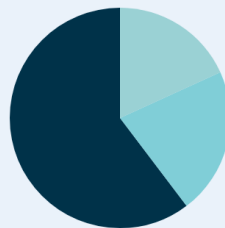
0 €

Process Carbon Footprint

4.89 kg CO₂e

Estimated Offsetting Cost In EUR *

0.49 €



- Yarn Production (60.28%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.48%)
- Garment Manufacturing (18.18%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

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