



Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU	Gender	Wastage Percentage
SHIRTS	GUINEVERE TOP	Women	5%

Property Name	Property Value	SQM
Body length	short	0.511
Fit	loose	6.25
Sleeves	half	0.15
Neck	crew	0
EU SIZE	L woman	0.19897744204083448

External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	60%	3.1	57.0986	177.0057
Cotton China	40%	2.37	57.0986	135.3237
Total	100%	5.47	114.2	312.33

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) 14.7142	Cotton China (CHINA) 14.7142
Winding (CO2e g)	Polyester China (CHINA) 33.8427	Cotton China (CHINA) 33.8427
Sizing (CO2e g)	Polyester China (CHINA) 0.7041	Cotton China (CHINA) 0.7041
Ring Spinning (CO2e g)	Polyester China (CHINA) 70.6281	Cotton China (CHINA) 70.6281
Warping (CO2e g)	Polyester China (CHINA) 2.3941	Cotton China (CHINA) 2.3941
Roving (Co2e g)	Polyester China (CHINA) 5.8857	Cotton China (CHINA) 5.8857
Yarn Production - Dyeing (CO2e g)	Polyester China (CHINA) 18.3075	Cotton China (CHINA) 18.3075
Blowing (CO2e g)	Polyester China (CHINA) 13.2428	Cotton China (CHINA) 13.2428

Process Name	Material	
Drawing (CO2e g)	Polyester China (CHINA) 8.8285	Cotton China (CHINA) 8.8285
Total	168.5477	168.5477

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) 0.0019	Cotton China (CHINA) 0.0019
Total	0.0019	0.0019

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) 0.0632	Cotton China (CHINA) 0.0632
Weaving (CO2e g)	Polyester China (CHINA) 59.9935	Cotton China (CHINA) 59.9935
Total	60.0567	60.0567

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) 23.6816	Cotton China (CHINA) 23.6816
Laundry Emissions (CO2e g)	Polyester China (CHINA) 23.6816	Cotton China (CHINA) 23.6816
Washing & Drying Emissions	Polyester China (CHINA) 3.4733	Cotton China (CHINA) 3.4733
Total	50.8365	50.8365

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	0.0082	1

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	86.513	1257.8996
Total	100%	14.54	86.51	1257.9

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) 22.2942
Winding (CO2e g)	Viscose generic (CHINA) 51.2767
Sizing (CO2e g)	Viscose generic (CHINA) 1.0669
Ring Spinning (CO2e g)	Viscose generic (CHINA) 107.0123
Warping (CO2e g)	Viscose generic (CHINA) 3.6274
Roving (Co2e g)	Viscose generic (CHINA) 8.9177
Yarn Production - Dyeing (CO2e g)	Viscose generic (CHINA) 27.7386
Blowing (CO2e g)	Viscose generic (CHINA) 20.0648
Drawing (CO2e g)	Viscose generic (CHINA) 13.3765
Total	255.37509999999997

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) 0.0029

Process Name	Material
Total	0.0029

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) 0.0957
Weaving (CO2e g)	Viscose generic (CHINA) 90.8992
Total	90.99489999999999

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) 35.8813
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 35.8813
Washing & Drying Emissions	Viscose generic (CHINA) 5.2626
Total	77.02520000000001

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	0.0082	1

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

Final Transportation

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

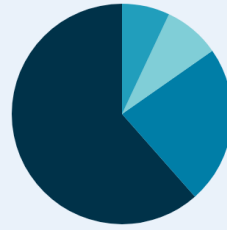
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton China	CHINA	UNITED KINGDOM	AIR - 0	0
Total				0

Total Carbon Footprint

2.55 kg CO₂e

Estimated Offsetting Cost In EUR *

0.26 €



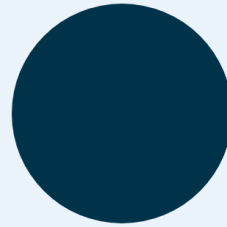
- Raw Material (61.57%)
- Yarn Production (23.23%)
- Fabric Production (8.28%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (7.01%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

1.57 kg CO₂e

Estimated Offsetting Cost In EUR *

0.16 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

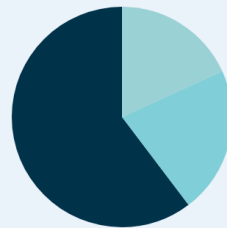
0 €

Process Carbon Footprint

0.98 kg CO₂e

Estimated Offsetting Cost In EUR *

0.1 €



- Yarn Production (60.46%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.54%)
- Garment Manufacturing (18.24%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

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