



Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU	Gender	Wastage Percentage
PANTS	CLOVE TROUSER	Women	5%

Property Name	Property Value	SQM
Length	long	0.95
Shape	boot cut	0.04
Rise	regular	0
Cargo	yes	0.03
EU SIZE	L woman	0.1893861454046681

External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton generic	70%	2.62	126.4262	331.2365
Viscose generic	28%	14.54	30.6488	445.633
Elastane generic	2%	10.7	4.3784	46.8488
Total	100%	27.86	161.45	823.72

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
Total				0

External - Yarn Production

Process Name	Material		
Carding (CO2e g)	Cotton generic (ITALY) 15.7302	Viscose generic (ITALY) 3.8134	Elastane generic (ITALY) 0.5448
Winding (CO2e g)	Cotton generic (ITALY) 36.1794	Viscose generic (ITALY) 8.7708	Elastane generic (ITALY) 1.253
Sizing (CO2e g)	Cotton generic (ITALY) 0.7528	Viscose generic (ITALY) 0.1825	Elastane generic (ITALY) 0.0261
Ring Spinning (CO2e g)	Cotton generic (ITALY) 75.5049	Viscose generic (ITALY) 18.3042	Elastane generic (ITALY) 2.6149

Process Name	Material		
Warping (CO2e g)	Cotton generic (ITALY) 2.5594	Viscose generic (ITALY) 0.6205	Elastane generic (ITALY) 0.0886
Roving (Co2e g)	Cotton generic (ITALY) 6.2921	Viscose generic (ITALY) 1.5254	Elastane generic (ITALY) 0.2179
Yarn Production - Dyeing (CO2e g)	Cotton generic (ITALY) 19.5716	Viscose generic (ITALY) 4.7446	Elastane generic (ITALY) 0.6778
Blowing (CO2e g)	Cotton generic (ITALY) 14.1572	Viscose generic (ITALY) 3.432	Elastane generic (ITALY) 0.4903
Drawing (CO2e g)	Cotton generic (ITALY) 9.4381	Viscose generic (ITALY) 2.288	Elastane generic (ITALY) 0.3269
Total	180.1857	43.6814	6.2403

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
Total				0

External - Cutting & Stitching

Process Name	Material		
Major cutting	Cotton generic (ITALY) 0.0021	Viscose generic (ITALY) 0.0005	Elastane generic (ITALY) 0.0001
Total	0.0021	0.0005	0.0001

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
Total				0

External - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Cotton generic (ITALY) 0.0675	Viscose generic (ITALY) 0.0164	Elastane generic (ITALY) 0.0023
Weaving (CO2e g)	Cotton generic (ITALY) 64.136	Viscose generic (ITALY) 15.5481	Elastane generic (ITALY) 2.2212
Total	64.20349999999999	15.5645	2.2235

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
Total				0

External - Garment Manufacturing

Process Name	Material		
Finishing Emissions (CO2g)	Cotton generic (ITALY) 25.3168	Viscose generic (ITALY) 6.1374	Elastane generic (ITALY) 0.8768
Laundry Emissions (CO2e g)	Cotton generic (ITALY) 25.3168	Viscose generic (ITALY) 6.1374	Elastane generic (ITALY) 0.8768
Washing & Drying Emissions	Cotton generic (ITALY) 3.7131	Viscose generic (ITALY) 0.9002	Elastane generic (ITALY) 0.1286
Total	54.3467	13.175	1.8822

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Button Metal Medium Size	ITALY	0.0795	2

External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	ITALY	0.0416	1

Fabric_2 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	109.4599	1591.5466
Total	100%	14.54	109.46	1591.55

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

Fabric_2 - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (ITALY) 13.6192
Winding (CO2e g)	Viscose generic (ITALY) 31.3242
Sizing (CO2e g)	Viscose generic (ITALY) 0.6517

Process Name	Material
Ring Spinning (CO2e g)	Viscose generic (ITALY) 65.3722
Warping (CO2e g)	Viscose generic (ITALY) 2.2159
Roving (Co2e g)	Viscose generic (ITALY) 5.4477
Yarn Production - Dyeing (CO2e g)	Viscose generic (ITALY) 16.9451
Blowing (CO2e g)	Viscose generic (ITALY) 12.2573
Drawing (CO2e g)	Viscose generic (ITALY) 8.1715
Total	156.00480000000002

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

Fabric_2 - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (ITALY) 0.0018
Total	0.0018

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

Fabric_2 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (ITALY) 0.0585
Weaving (CO2e g)	Viscose generic (ITALY) 55.529
Total	55.587500000000006

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

Fabric_2 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Viscose generic (ITALY) 21.9193
Laundry Emissions (CO2e g)	Viscose generic (ITALY) 21.9193
Washing & Drying Emissions	Viscose generic (ITALY) 3.2148
Total	47.053399999999996

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

Production Group	Process Name	Country	CO2e	Value
Addition	Button Metal Medium Size	ITALY	0.0795	2

Fabric_2 - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	ITALY	0.0416	1

Final Transportation

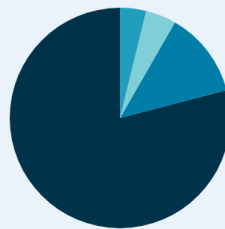
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	UNITED KINGDOM	AIR - 0	0
Viscose generic	ITALY	UNITED KINGDOM	AIR - 0	0
Elastane generic	ITALY	UNITED KINGDOM	AIR - 0	0
Total				0

Total Carbon Footprint

3.06 kg CO₂e

Estimated Offsetting Cost In EUR *

0.31 €



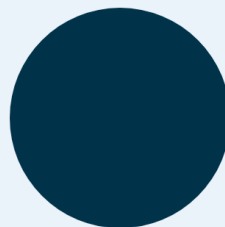
- Raw Material (79.08%)
- Yarn Production (12.62%)
- Fabric Production (4.50%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (3.81%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

2.42 kg CO₂e

Estimated Offsetting Cost In EUR *

0.24 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

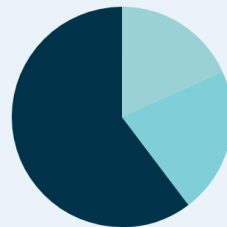
0 €

Process Carbon Footprint

0.64 kg CO₂e

Estimated Offsetting Cost In EUR *

0.06 €



- Yarn Production (60.33%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.50%)
- Garment Manufacturing (18.21%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

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