

Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU	Gender	Wastage Percentage
BLAZER	MAYE CORSET JACKET	Women	5%

Property Name	Property Value	SQM
Body length	regular	0.656
Fit	slim	0.25
Pockets	2 jetted	0
Sleeves	regular	0.2624
Front	reverse single breasted one/two botton	2.56
EU SIZE	L woman	0.19897744204083448

External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton generic	98%	2.62	182.1998	477.3634
Elastane generic	2%	10.7	4.5071	48.226
Total	100%	13.32	186.71	525.59

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

External - Yarn Production

Process Name	Material	
Carding (CO2e g)	Cotton generic (ITALY) 22.6697	Elastane generic (ITALY) 0.5608
Winding (CO2e g)	Cotton generic (ITALY) 52.1402	Elastane generic (ITALY) 1.2898
Sizing (CO2e g)	Cotton generic (ITALY) 1.0848	Elastane generic (ITALY) 0.0268
Ring Spinning (CO2e g)	Cotton generic (ITALY) 108.8144	Elastane generic (ITALY) 2.6918
Warping (CO2e g)	Cotton generic (ITALY) 3.6884	Elastane generic (ITALY) 0.0912
Roving (Co2e g)	Cotton generic (ITALY) 9.0679	Elastane generic (ITALY) 0.2243

Process Name	Material	
Yarn Production - Dyeing (CO2e g)	Cotton generic (ITALY) 28.2057	Elastane generic (ITALY) 0.6977
Blowing (CO2e g)	Cotton generic (ITALY) 20.4027	Elastane generic (ITALY) 0.5047
Drawing (CO2e g)	Cotton generic (ITALY) 13.6018	Elastane generic (ITALY) 0.3365
Total	259.67560000000003	6.4236

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

External - Cutting & Stitching

Process Name	Material	
Major cutting	Cotton generic (ITALY) 0.003	Elastane generic (ITALY) 0.0001
Total	0.003	0.0001

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

External - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Cotton generic (ITALY) 0.0973	Elastane generic (ITALY) 0.0024
Weaving (CO2e g)	Cotton generic (ITALY) 92.4299	Elastane generic (ITALY) 2.2865
Total	92.52720000000001	2.2889000000000004

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

External - Garment Manufacturing

Process Name	Material	
Finishing Emissions (CO2g)	Cotton generic (ITALY) 36.4855	Elastane generic (ITALY) 0.9025
Laundry Emissions (CO2e g)	Cotton generic (ITALY) 36.4855	Elastane generic (ITALY) 0.9025
Washing & Drying Emissions	Cotton generic (ITALY) 5.3512	Elastane generic (ITALY) 0.1324
Total	78.32220000000001	1.9374

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Button Metal Large Size	ITALY	0.5962	10

External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton 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
Organic cotton	100%	2.5	185.9181	464.7953
Total	100%	2.5	185.92	464.8

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	ITALY		0
Total				0

Fabric_2 - Yarn Production

Process Name	Material
Carding (CO2e g)	Organic cotton (ITALY) 23.1323
Winding (CO2e g)	Organic cotton (ITALY) 53.2043
Sizing (CO2e g)	Organic cotton (ITALY) 1.107
Ring Spinning (CO2e g)	Organic cotton (ITALY) 111.0351
Warping (CO2e g)	Organic cotton (ITALY) 3.7637
Roving (Co2e g)	Organic cotton (ITALY) 9.2529
Yarn Production - Dyeing (CO2e g)	Organic cotton (ITALY) 28.7814
Blowing (CO2e g)	Organic cotton (ITALY) 20.8191
Drawing (CO2e g)	Organic cotton (ITALY) 13.8794
Total	264.9752

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	ITALY		0
Total				0

Fabric_2 - Cutting & Stitching

Process Name	Material
Major cutting	Organic cotton (ITALY) 0.003
Total	0.003

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	ITALY		0
Total				0

Fabric_2 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Organic cotton (ITALY) 0.0993
Weaving (CO2e g)	Organic cotton (ITALY) 94.3163
Total	94.4156

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	ITALY		0
Total				0

Fabric_2 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Organic cotton (ITALY) 37.2301
Laundry Emissions (CO2e g)	Organic cotton (ITALY) 37.2301
Washing & Drying Emissions	Organic cotton (ITALY) 5.4604
Total	79.92060000000001

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	ITALY		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Button Metal Large Size	ITALY	0.5962	10

Fabric_2 - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	ITALY		0
Total				0

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

Final Transportation

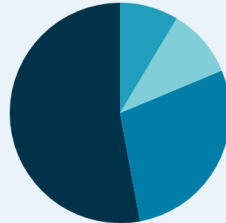
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	UNITED KINGDOM	AIR - 0	0
Elastane generic	ITALY	UNITED KINGDOM	AIR - 0	0
Total				0

Total Carbon Footprint

1.87 kg CO₂e

Estimated Offsetting Cost In EUR *

0.19 €



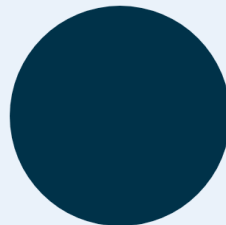
- Raw Material (52.94%)
- Yarn Production (28.40%)
- Fabric Production (10.12%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (8.60%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

0.99 kg CO₂e

Estimated Offsetting Cost In EUR *

0.1 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

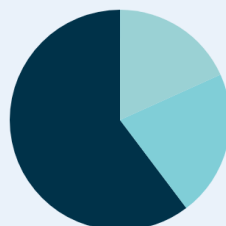
0 €

Process Carbon Footprint

0.88 kg CO₂e

Estimated Offsetting Cost In EUR *

0.09 €



- Yarn Production (60.35%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.50%)
- Garment Manufacturing (18.27%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

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