



# Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU	Gender	Wastage Percentage
PANTS	MAYE TROUSER	Women	5%

Property Name	Property Value	SQM
Length	long	0.95
Shape	straight	0
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
Organic cotton	98%	2.5	173.6303	434.0758
Elastane generic	2%	10.7	4.2951	45.9578
<b>Total</b>	<b>100%</b>	<b>13.2</b>	<b>177.93</b>	<b>480.03</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

## External - Yarn Production

Process Name	Material	
Carding (CO2e g)	Organic cotton (ITALY) 21.6034	Elastane generic (ITALY) 0.5344
Winding (CO2e g)	Organic cotton (ITALY) 49.6879	Elastane generic (ITALY) 1.2291
Sizing (CO2e g)	Organic cotton (ITALY) 1.0338	Elastane generic (ITALY) 0.0256
Ring Spinning (CO2e g)	Organic cotton (ITALY) 103.6965	Elastane generic (ITALY) 2.5652
Warping (CO2e g)	Organic cotton (ITALY) 3.515	Elastane generic (ITALY) 0.087
Roving (Co2e g)	Organic cotton (ITALY) 8.6414	Elastane generic (ITALY) 0.2138
Yarn Production - Dyeing (CO2e g)	Organic cotton (ITALY) 26.8791	Elastane generic (ITALY) 0.6649
Blowing (CO2e g)	Organic cotton (ITALY) 19.4431	Elastane generic (ITALY) 0.481

Process Name	Material	
Drawing (CO2e g)	Organic cotton (ITALY) 12.9621	Elastane generic (ITALY) 0.3206
<b>Total</b>	<b>247.4623</b>	<b>6.1216</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

## External - Cutting & Stitching

Process Name	Material	
Major cutting	Organic cotton (ITALY) 0.0028	Elastane generic (ITALY) 0.0001
<b>Total</b>	<b>0.0028</b>	<b>0.0001</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

## External - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Organic cotton (ITALY) 0.0927	Elastane generic (ITALY) 0.0023
Weaving (CO2e g)	Organic cotton (ITALY) 88.0827	Elastane generic (ITALY) 2.1789
<b>Total</b>	<b>88.1754</b>	<b>2.1812</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

## External - Garment Manufacturing

Process Name	Material	
Finishing Emissions (CO2g)	Organic cotton (ITALY) 34.7695	Elastane generic (ITALY) 0.8601
Laundry Emissions (CO2e g)	Organic cotton (ITALY) 34.7695	Elastane generic (ITALY) 0.8601
Washing & Drying Emissions	Organic cotton (ITALY) 5.0995	Elastane generic (ITALY) 0.1261
<b>Total</b>	<b>74.63850000000001</b>	<b>1.8462999999999998</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	ITALY	0.0477	5
Addition	Button Metal Small Size	ITALY	0.0398	2

## External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

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
Cotton generic	100%	2.62	177.1738	464.1953
<b>Total</b>	<b>100%</b>	<b>2.62</b>	<b>177.17</b>	<b>464.2</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

## Fabric\_2 - Yarn Production

Process Name	Material
Carding (CO2e g)	Cotton generic (ITALY) 22.0443
Winding (CO2e g)	Cotton generic (ITALY) 50.7019
Sizing (CO2e g)	Cotton generic (ITALY) 1.0549
Ring Spinning (CO2e g)	Cotton generic (ITALY) 105.8127
Warping (CO2e g)	Cotton generic (ITALY) 3.5867
Roving (Co2e g)	Cotton generic (ITALY) 8.8177
Yarn Production - Dyeing (CO2e g)	Cotton generic (ITALY) 27.4277
Blowing (CO2e g)	Cotton generic (ITALY) 19.8399
Drawing (CO2e g)	Cotton generic (ITALY) 13.2266
<b>Total</b>	<b>252.51240000000004</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

## Fabric\_2 - Cutting & Stitching

Process Name	Material
Major cutting	Cotton generic (ITALY) 0.0029
<b>Total</b>	<b>0.0029</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

## Fabric\_2 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Cotton generic (ITALY) 0.0946
Weaving (CO2e g)	Cotton generic (ITALY) 89.8803
<b>Total</b>	<b>89.9749</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

## Fabric\_2 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Cotton generic (ITALY) 35.4791
Laundry Emissions (CO2e g)	Cotton generic (ITALY) 35.4791
Washing & Drying Emissions	Cotton generic (ITALY) 5.2036
<b>Total</b>	<b>76.1618</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	ITALY	0.0477	5
Addition	Button Metal Small Size	ITALY	0.0398	2

## Fabric\_2 - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

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

## Final Transportation

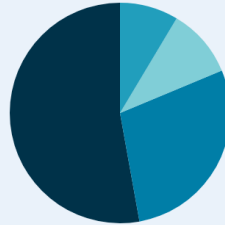
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	UNITED KINGDOM	AIR - 0	0
Elastane generic	ITALY	UNITED KINGDOM	AIR - 0	0
<b>Total</b>				<b>0</b>

### Total Carbon Footprint

**1.78** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

**0.18** €



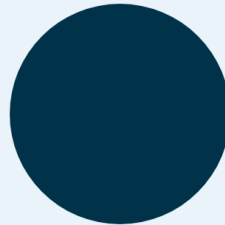
- Raw Material (52.81%)
- Yarn Production (28.43%)
- Fabric Production (10.13%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (8.58%)
- Finishing & Packaging (0.00%)

### Raw Material Carbon Footprint

**0.94** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

**0.09** €



- Raw Material (100%)

### Transportation Carbon Footprint

**0** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

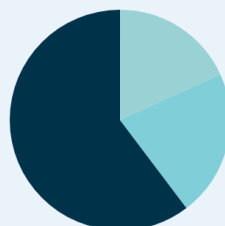
**0** €

### Process Carbon Footprint

**0.84** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

**0.08** €



- Yarn Production (60.25%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.47%)
- Garment Manufacturing (18.18%)
- Finishing & Packaging (0.00%)

\* Current Average Market Value Of High Quality Carbon Credit

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