



# Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU	Gender	Wastage Percentage
PANTS	NELLE TROUSER	Women	5%

Property Name	Property Value	SQM
Length	long	0.95
Shape	loose	2.89
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 India	100%	0.89	206.3713	183.6705
<b>Total</b>	<b>100%</b>	<b>0.89</b>	<b>206.37</b>	<b>183.67</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## External - Yarn Production

Process Name	Material
Carding (CO2e g)	Cotton India (INDIA) 74.6272
Winding (CO2e g)	Cotton India (INDIA) 171.6425
Sizing (CO2e g)	Cotton India (INDIA) 3.5712
Ring Spinning (CO2e g)	Cotton India (INDIA) 358.2104
Warping (CO2e g)	Cotton India (INDIA) 12.1421
Roving (Co2e g)	Cotton India (INDIA) 29.8509
Yarn Production - Dyeing (CO2e g)	Cotton India (INDIA) 92.8516
Blowing (CO2e g)	Cotton India (INDIA) 67.1645
Drawing (CO2e g)	Cotton India (INDIA) 44.7763
<b>Total</b>	<b>854.8367</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## External - Cutting & Stitching

Process Name	Material
Major cutting	Cotton India (INDIA) 0.0097
<b>Total</b>	<b>0.0097</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## External - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Cotton India (INDIA) 0.3203
Weaving (CO2e g)	Cotton India (INDIA) 304.2739
<b>Total</b>	<b>304.5942</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## External - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Cotton India (INDIA) 120.1081
Laundry Emissions (CO2e g)	Cotton India (INDIA) 120.1081
Washing & Drying Emissions	Cotton India (INDIA) 17.6159
<b>Total</b>	<b>257.83209999999997</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

## Fabric\_2 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester generic	100%	2.8	137.5809	385.2264
<b>Total</b>	<b>100%</b>	<b>2.8</b>	<b>137.58</b>	<b>385.23</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## Fabric\_2 - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester generic (INDIA) 49.7514
Winding (CO2e g)	Polyester generic (INDIA) 114.4283
Sizing (CO2e g)	Polyester generic (INDIA) 2.3808
Ring Spinning (CO2e g)	Polyester generic (INDIA) 238.8069
Warping (CO2e g)	Polyester generic (INDIA) 8.0948
Roving (Co2e g)	Polyester generic (INDIA) 19.9006
Yarn Production - Dyeing (CO2e g)	Polyester generic (INDIA) 61.901
Blowing (CO2e g)	Polyester generic (INDIA) 44.7763
Drawing (CO2e g)	Polyester generic (INDIA) 29.8509
<b>Total</b>	<b>569.89100000000001</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## Fabric\_2 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester generic (INDIA) 0.2135
Weaving (CO2e g)	Polyester generic (INDIA) 202.8492
<b>Total</b>	<b>203.0627</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## Fabric\_2 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Polyester generic (INDIA) 80.0721
Laundry Emissions (CO2e g)	Polyester generic (INDIA) 80.0721
Washing & Drying Emissions	Polyester generic (INDIA) 11.7439
<b>Total</b>	<b>171.8881</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## Fabric\_2 - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

## Final Transportation

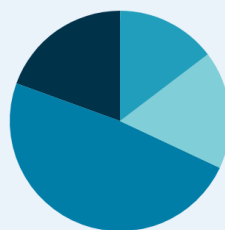
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	UNITED KINGDOM	AIR - 0	0
<b>Total</b>				<b>0</b>

### Total Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.29** €



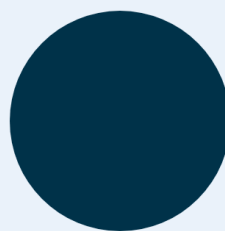
- Raw Material (19.45%)
- Yarn Production (48.63%)
- Fabric Production (17.33%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (14.67%)
- Finishing & Packaging (0.00%)

### Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.06** €



- Raw Material (100%)

### Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

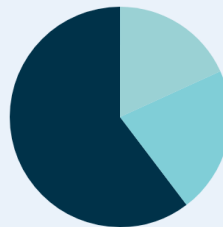
0 €

## Process Carbon Footprint

2.36 kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

0.24 €



- Yarn Production (60.37%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.51%)
- Garment Manufacturing (18.21%)
- Finishing & Packaging (0.01%)

\* Current Average Market Value Of High Quality Carbon Credit

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