



# Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU	Gender	Wastage Percentage
PANTS	BRETTON KNIT TROUSER	Women	5%

Property Name	Property Value	SQM
Length	seven eights	0.8265
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
Wool China	70%	30.2	200.8806	6066.5931
Cashmere	30%	56.6	57.3944	3248.5257
<b>Total</b>	<b>100%</b>	<b>86.8</b>	<b>258.28</b>	<b>9315.12</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool China	CHINA	CHINA		0
Cashmere	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## External - Yarn Production

Process Name	Material	
Carding (CO2e g)	Wool China (CHINA) 51.7665	Cashmere (CHINA) 14.7904
Winding (CO2e g)	Wool China (CHINA) 119.063	Cashmere (CHINA) 34.018
Sizing (CO2e g)	Wool China (CHINA) 2.4772	Cashmere (CHINA) 0.7078
Ring Spinning (CO2e g)	Wool China (CHINA) 248.4793	Cashmere (CHINA) 70.9941
Warping (CO2e g)	Wool China (CHINA) 8.4226	Cashmere (CHINA) 2.4065
Roving (Co2e g)	Wool China (CHINA) 20.7066	Cashmere (CHINA) 5.9162
Yarn Production - Dyeing (CO2e g)	Wool China (CHINA) 64.4082	Cashmere (CHINA) 18.4023
Blowing (CO2e g)	Wool China (CHINA) 46.5899	Cashmere (CHINA) 13.3114

Process Name	Material	
Drawing (CO2e g)	Wool China (CHINA) 31.0599	Cashmere (CHINA) 8.8743
<b>Total</b>	<b>592.9731999999999</b>	<b>169.421</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool China	CHINA	CHINA		0
Cashmere	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## External - Cutting & Stitching

Process Name	Material	
Major cutting	Wool China (CHINA) 0.0068	Cashmere (CHINA) 0.0019
<b>Total</b>	<b>0.0068</b>	<b>0.0019</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool China	CHINA	CHINA		0
Cashmere	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## External - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Wool China (CHINA) 0.2222	Cashmere (CHINA) 0.0635
Weaving (CO2e g)	Wool China (CHINA) 211.0652	Cashmere (CHINA) 60.3043
<b>Total</b>	<b>211.2874</b>	<b>60.367799999999995</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool China	CHINA	CHINA		0
Cashmere	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## External - Garment Manufacturing

Process Name	Material	
Finishing Emissions (CO2g)	Wool China (CHINA) 83.3152	Cashmere (CHINA) 23.8043
Laundry Emissions (CO2e g)	Wool China (CHINA) 83.3152	Cashmere (CHINA) 23.8043
Washing & Drying Emissions	Wool China (CHINA) 12.2196	Cashmere (CHINA) 3.4913
<b>Total</b>	<b>178.85000000000002</b>	<b>51.099900000000005</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool China	CHINA	CHINA		0
Cashmere	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool China	CHINA	CHINA		0
Cashmere	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	CHINA	0.0862	1

## Final Transportation

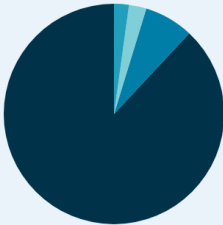
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool China	CHINA	UNITED KINGDOM	AIR - 0	0
Cashmere	CHINA	UNITED KINGDOM	AIR - 0	0
<b>Total</b>				<b>0</b>

### Total Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**1.06** €



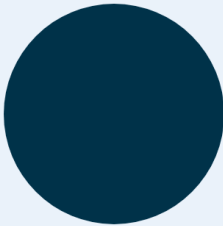
- Raw Material (88.09%)
- Yarn Production (7.21%)
- Fabric Production (2.57%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (2.17%)
- Finishing & Packaging (0.00%)

### Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.93** €



- Raw Material (100%)

### Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

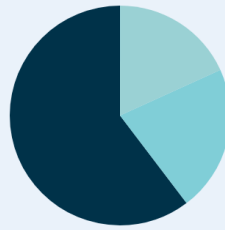
**0** €

### Process Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

0.13 €



- Yarn Production (60.51%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.56%)
- Garment Manufacturing (18.25%)
- Finishing & Packaging (0.01%)

\* Current Average Market Value Of High Quality Carbon Credit

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