

# Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
OUTWEAR	25AWNKT54920	Women	5%

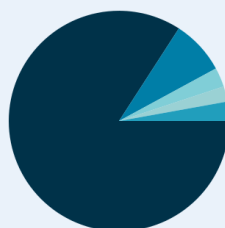
Property Name	Property Value	SQM
Body length	regular	0.56
Fit	slim	1
Sleeves	long	0.3
Neck	regular reverse	0.03
Hood	no	0
EU SIZE	S woman	0.1935085228292251

## Total Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.93** €



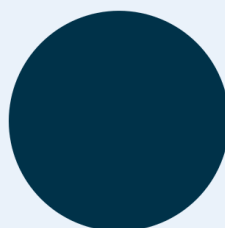
- Raw Material (84.12%)
- Yarn Production (7.95%)
- Spinning & Weaving (2.83%)
- Pattern Making & Cutting (2.24%)
- Stitching & Pressing (2.83%)
- Finishing & Packaging (0.00%)

## Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.78** €



- Raw Material (100%)

## Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

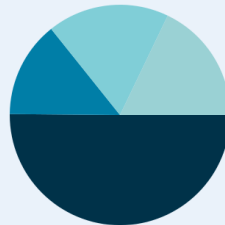
0 €

### Process Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

0.15 €



- Yarn Production (50.09%)
- Pattern Making & Cutting (14.10%)
- Spinning & Weaving (17.85%)
- Stitching & Pressing (17.85%)
- Finishing & Packaging (0.01%)

\* Current Average Market Value Of High Quality Carbon Credit

## Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
WOOL	Raw Material	CHINA	High Risk
WOOL	Yarn Production	CHINA	High Risk
WOOL	Spinning & Weaving	CHINA	High Risk
WOOL	Dyeing & Printing	CHINA	High Risk
WOOL	Pattern Making & Cutting	CHINA	High Risk
WOOL	Stitching & Pressing	CHINA	High Risk
WOOL	Finishing & Packaging	CHINA	High Risk

## Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	1406.46	213.48	87.9
Yarn Production	0	170.78	61.53
<b>Total (Liters)</b>	<b>1406.46</b>	<b>384.26</b>	<b>149.43</b>

Land Impact Summary	
<b>Total Land Use (m2)</b>	<b>0.04</b>

## WOOL - Raw Material

Material	Percentage	CO <sub>2</sub> e per GRAM	Fabric Grams	CO <sub>2</sub> e Grams
wool lamb	100%	31.2	251.1535	7835.9889
<b>Total</b>	<b>100%</b>	<b>31.2</b>	<b>251.15</b>	<b>7835.99</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
wool lamb	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## WOOL - Yarn Production

Process Name	Material
Carding (CO2e g)	wool lamb (CHINA) 64.7218
Winding (CO2e g)	wool lamb (CHINA) 148.86
Sizing (CO2e g)	wool lamb (CHINA) 3.0972
Ring Spinning (CO2e g)	wool lamb (CHINA) 310.6644
Warping (CO2e g)	wool lamb (CHINA) 10.5305
Roving (Co2e g)	wool lamb (CHINA) 25.8887
Dyeing (CO2e g)	wool lamb (CHINA) 80.5272
Blowing (CO2e g)	wool lamb (CHINA) 58.2496
Drawing (CO2e g)	wool lamb (CHINA) 38.8331
<b>Total</b>	<b>741.3725</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
wool lamb	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## WOOL - Pattern Making & Cutting

Process Name	Material
Cutting Emissions	wool lamb (CHINA) 104.1659
Pattern Making (CO2e g)	wool lamb (CHINA) 104.1659
<b>Total</b>	<b>208.3318</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
wool lamb	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.4198	44

## WOOL - Spinning & Weaving

Process Name	Material
Spinning (CO2e g)	wool lamb (CHINA) 263.887
Weaving(CO2e g)	wool lamb (CHINA) 0.2778
<b>Total</b>	<b>264.1648</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
wool lamb	CHINA	CHINA		0

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

## WOOL - Stitching & Pressing

Process Name	Material
Stitching(CO2e g)	wool lamb (CHINA) 263.887
Pressing (CO2e g)	wool lamb (CHINA) 0.2778
<b>Total</b>	<b>264.1648</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
wool lamb	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## WOOL - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
wool lamb	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 lamb	CHINA	UNITED KINGDOM	AIR - 0	0
<b>Total</b>				<b>0</b>

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