

# Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
OUTWEAR	25AWFKT54921	Women	5%

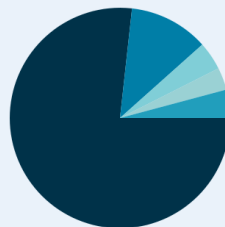
Property Name	Property Value	SQM
Body length	long	0.672
Fit	loose	2.56
Sleeves	three quarters	0.23
Neck	crew	0
Hood	no	0
EU SIZE	S woman	0.1935085228292251

## Total Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.43** €



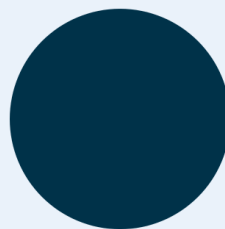
- Raw Material (76.67%)
- Yarn Production (11.65%)
- Spinning & Weaving (4.15%)
- Pattern Making & Cutting (3.27%)
- Stitching & Pressing (4.15%)
- Finishing & Packaging (0.00%)

## Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.33** €



- Raw Material (100%)

## Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

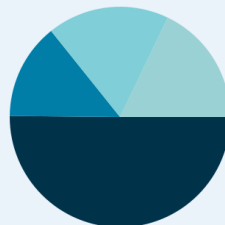
0 €

### Process Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

0.1 €



- Yarn Production (49.96%)
- Pattern Making & Cutting (14.04%)
- Spinning & Weaving (17.80%)
- Stitching & Pressing (17.80%)
- Finishing & Packaging (0.01%)

\* Current Average Market Value Of High Quality Carbon Credit

## Phases country risk

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

## Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	807.31	153.34	154.64
Yarn Production	0	122.67	108.25
<b>Total (Liters)</b>	<b>807.31</b>	<b>276.01</b>	<b>262.89</b>

Land Impact Summary	
<b>Total Land Use (m2)</b>	<b>0.06</b>

## KNIT JACQUARD - Raw Material

Material	Percentage	CO <sub>2</sub> e per GRAM	Fabric Grams	CO <sub>2</sub> e Grams
Viscose Rayon	44%	14.54	44.5882	648.3118
Wool China	28%	30.2	85.1228	2570.7099

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton China	18%	2.37	30.097	71.3299
Polyester China	10%	3.1	11.147	34.5558
<b>Total</b>	<b>100%</b>	<b>50.21</b>	<b>170.96</b>	<b>3324.91</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose Rayon	CHINA	CHINA		0
Wool China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## KNIT JACQUARD - Yarn Production

Process Name	Material			
Carding (CO2e g)	Viscose Rayon (CHINA) 11.4903	Wool China (CHINA) 21.936	Cotton China (CHINA) 7.7559	Polyester China (CHINA) 2.8726
Winding (CO2e g)	Viscose Rayon (CHINA) 26.4276	Wool China (CHINA) 50.4528	Cotton China (CHINA) 17.8387	Polyester China (CHINA) 6.6069
Sizing (CO2e g)	Viscose Rayon (CHINA) 0.5499	Wool China (CHINA) 1.0497	Cotton China (CHINA) 0.3712	Polyester China (CHINA) 0.1375
Ring Spinning (CO2e g)	Viscose Rayon (CHINA) 55.1533	Wool China (CHINA) 105.2927	Cotton China (CHINA) 37.2285	Polyester China (CHINA) 13.7883
Warping (CO2e g)	Viscose Rayon (CHINA) 1.8695	Wool China (CHINA) 3.5691	Cotton China (CHINA) 1.2619	Polyester China (CHINA) 0.4674
Roving (Co2e g)	Viscose Rayon (CHINA) 4.5961	Wool China (CHINA) 8.7744	Cotton China (CHINA) 3.1024	Polyester China (CHINA) 1.149
Dyeing (CO2e g)	Viscose Rayon (CHINA) 14.2963	Wool China (CHINA) 27.2929	Cotton China (CHINA) 9.65	Polyester China (CHINA) 3.5741
Blowing (CO2e g)	Viscose Rayon (CHINA) 10.3413	Wool China (CHINA) 19.7424	Cotton China (CHINA) 6.9803	Polyester China (CHINA) 2.5853
Drawing (CO2e g)	Viscose Rayon (CHINA) 6.8942	Wool China (CHINA) 13.1616	Cotton China (CHINA) 4.6536	Polyester China (CHINA) 1.7235
<b>Total</b>	<b>131.6185</b>	<b>251.2716</b>	<b>88.8425</b>	<b>32.9046</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose Rayon	CHINA	CHINA		0
Wool China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## KNIT JACQUARD - Pattern Making & Cutting

Process Name	Material			
Cutting Emissions	Viscose Rayon (CHINA) 18.4929	Wool China (CHINA) 35.3047	Cotton China (CHINA) 12.4827	Polyester China (CHINA) 4.6232

Process Name	Material			
Pattern Making (CO2e g)	Viscose Rayon (CHINA) 18.4929	Wool China (CHINA) 35.3047	Cotton China (CHINA) 12.4827	Polyester China (CHINA) 4.6232
<b>Total</b>	<b>36.9858</b>	<b>70.6094</b>	<b>24.9654</b>	<b>9.2464</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose Rayon	CHINA	CHINA		0
Wool China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## KNIT JACQUARD - Spinning & Weaving

Process Name	Material			
Spinning (CO2e g)	Viscose Rayon (CHINA) 46.8488	Wool China (CHINA) 89.4386	Cotton China (CHINA) 31.6229	Polyester China (CHINA) 11.7122
Weaving(CO2e g)	Viscose Rayon (CHINA) 0.0493	Wool China (CHINA) 0.0941	Cotton China (CHINA) 0.0333	Polyester China (CHINA) 0.0123
<b>Total</b>	<b>46.8981</b>	<b>89.53269999999999</b>	<b>31.656200000000002</b>	<b>11.724499999999999</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose Rayon	CHINA	CHINA		0
Wool China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## KNIT JACQUARD - Stitching & Pressing

Process Name	Material			
Stitching(CO2e g)	Viscose Rayon (CHINA) 46.8488	Wool China (CHINA) 89.4386	Cotton China (CHINA) 31.6229	Polyester China (CHINA) 11.7122
Pressing (CO2e g)	Viscose Rayon (CHINA) 0.0493	Wool China (CHINA) 0.0941	Cotton China (CHINA) 0.0333	Polyester China (CHINA) 0.0123
<b>Total</b>	<b>46.8981</b>	<b>89.53269999999999</b>	<b>31.656200000000002</b>	<b>11.724499999999999</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose Rayon	CHINA	CHINA		0
Wool China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## KNIT JACQUARD - Finishing & Packaging

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

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