Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
PANTS	25AWFGK54927	Women	5%

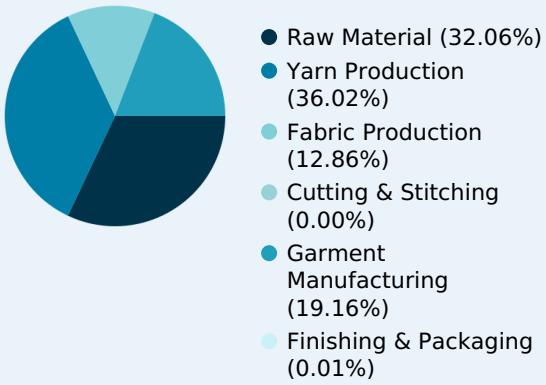
Property Name	Property Value	SQM
Length	three quarters	0.798
Shape	loose	2.89
Rise	regular	0
Cargo	yes	0.03
EU SIZE	S woman	0.18141289437586086

Total Carbon Footprint

1.31 kg CO_2e

Estimated Offsetting Cost In EUR *

0.13 €

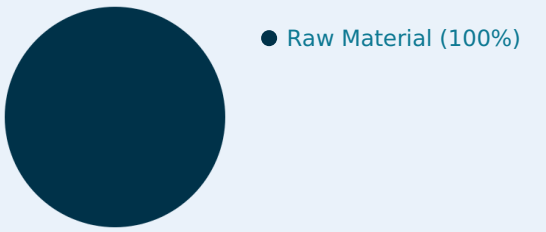


Raw Material Carbon Footprint

0.42 kg CO_2e

Estimated Offsetting Cost In EUR *

0.04 €



Transportation Carbon Footprint

0 kg CO_2e

Estimated Offsetting Cost In EUR *

0 €

Process Carbon Footprint

0.89 kg CO_2e

Estimated Offsetting Cost In EUR *

0.09 €

- Yarn Production (53.02%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (28.21%)
- Fabric Production (18.93%)
- 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	Fabric Production	CHINA	High Risk
KNIT JACQUARD	Cutting & Stitching	CHINA	High Risk
KNIT JACQUARD	Garment Manufacturing	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	927.09	239.76	559.45
Yarn Production	0	191.81	391.62
Fabric Production	0	179.82	419.59
Garment Manufacturing	0	263.74	688.12
Total (Liters)	**927.09**	**875.13**	**2058.78**

Land Impact Summary	
Total Land Use (m2)	**0.01**

KNIT JACQUARD - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton generic	100%	2.62	159.8431	418.7889
Total	**100%**	**2.62**	**159.84**	**418.79**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	CHINA		0
Total				**0**

KNIT JACQUARD - Yarn Production

Process Name	Material
Carding (CO2e g)	Cotton generic (CHINA) 41.1912
Winding (CO2e g)	Cotton generic (CHINA) 94.7399
Sizing (CO2e g)	Cotton generic (CHINA) 1.9712
Ring Spinning (CO2e g)	Cotton generic (CHINA) 197.718
Warping (CO2e g)	Cotton generic (CHINA) 6.702
Roving (Co2e g)	Cotton generic (CHINA) 16.4765
Dyeing (CO2e g)	Cotton generic (CHINA) 51.2504
Blowing (CO2e g)	Cotton generic (CHINA) 37.0721
Drawing (CO2e g)	Cotton generic (CHINA) 24.7147
Total	**471.836**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	CHINA		0
Total				**0**

KNIT JACQUARD - Cutting & Stitching

Process Name	Material
Major cutting	Cotton generic (CHINA) 0.0054
Total	**0.0054**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	CHINA		0
Total				**0**

KNIT JACQUARD - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Cotton generic (CHINA) 108.7237
Finishing Emissions (CO2g)	Cotton generic (CHINA) 66.2949
Laundry Emissions (CO2e g)	Cotton generic (CHINA) 66.2949
Washing & Drying Emissions	Cotton generic (CHINA) 9.7233
Total	**251.03679999999997**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	CHINA		0
Total				**0**

KNIT JACQUARD - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Cotton generic (CHINA) 0.1768
Coating (CO2e g)	Cotton generic (CHINA) 0
Bonding (CO2e g)	Cotton generic (CHINA) 0.3668
Weaving (CO2e g)	Cotton generic (CHINA) 167.9471
Total	**168.4907**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	CHINA		0
Total				**0**

KNIT JACQUARD - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	CHINA		0
Total				**0**

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

Final Transportation

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	UNITED KINGDOM	AIR - 0	0
Total				**0**

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