

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
PANTS	25AWFLK54925	Women	5%

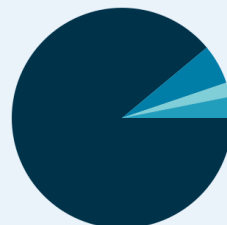
Property Name	Property Value	SQM
Length	long	0.95
Shape	straight	0
Rise	regular	0
Cargo	yes	0.03
EU SIZE	S woman	0.18141289437586086

Total Carbon Footprint

4.11 kg CO₂e

Estimated Offsetting Cost In EUR *

0.41 €



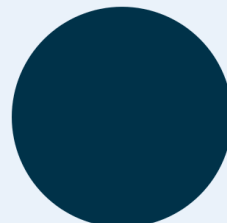
- Raw Material (89.05%)
- Yarn Production (5.85%)
- Fabric Production (2.09%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (3.11%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

3.66 kg CO₂e

Estimated Offsetting Cost In EUR *

0.37 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

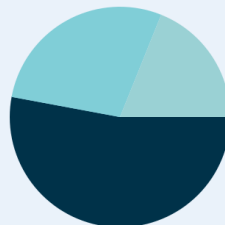
0 €

Process Carbon Footprint

0.45 kg CO₂e

Estimated Offsetting Cost In EUR *

0.05 €



- Yarn Production (53.42%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (28.42%)
- Fabric Production (19.08%)
- 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	ITALY	Moderate Risk
KNIT JACQUARD	Yarn Production	ITALY	Moderate Risk
KNIT JACQUARD	Fabric Production	ITALY	Moderate Risk
KNIT JACQUARD	Cutting & Stitching	ITALY	Moderate Risk
KNIT JACQUARD	Garment Manufacturing	ITALY	Moderate Risk
KNIT JACQUARD	Finishing & Packaging	ITALY	Moderate Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	824.79	132.94	58.76
Yarn Production	0	106.35	41.13
Fabric Production	0	99.71	44.07
Garment Manufacturing	0	156.31	92.4
Total (Liters)	824.79	495.31	236.36

Land Impact Summary	
Total Land Use (m2)	0.05

KNIT JACQUARD - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Wool generic	44%	24.7	130.0427	3212.0555
Viscose generic	28%	14.54	27.5848	401.0833
Polyamide	28%	4.6	11.0339	50.7561
Total	100%	43.84	168.66	3663.89

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Total				0

KNIT JACQUARD - Yarn Production

Process Name	Material		
Carding (CO2e g)	Wool generic (ITALY) 16.1802	Viscose generic (ITALY) 3.4322	Polyamide (ITALY) 1.3729
Winding (CO2e g)	Wool generic (ITALY) 37.2144	Viscose generic (ITALY) 7.894	Polyamide (ITALY) 3.1576
Sizing (CO2e g)	Wool generic (ITALY) 0.7743	Viscose generic (ITALY) 0.1642	Polyamide (ITALY) 0.0657
Ring Spinning (CO2e g)	Wool generic (ITALY) 77.6648	Viscose generic (ITALY) 16.4744	Polyamide (ITALY) 6.5897
Warping (CO2e g)	Wool generic (ITALY) 2.6326	Viscose generic (ITALY) 0.5584	Polyamide (ITALY) 0.2234
Roving (Co2e g)	Wool generic (ITALY) 6.4721	Viscose generic (ITALY) 1.3729	Polyamide (ITALY) 0.5491
Dyeing (CO2e g)	Wool generic (ITALY) 20.1315	Viscose generic (ITALY) 4.2703	Polyamide (ITALY) 1.7081
Blowing (CO2e g)	Wool generic (ITALY) 14.5622	Viscose generic (ITALY) 3.0889	Polyamide (ITALY) 1.2356
Drawing (CO2e g)	Wool generic (ITALY) 9.7081	Viscose generic (ITALY) 2.0593	Polyamide (ITALY) 0.8237
Total	185.34019999999998	39.3146	15.7258

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Total				0

KNIT JACQUARD - Cutting & Stitching

Process Name	Material		
Major cutting	Wool generic (ITALY) 0.0021	Viscose generic (ITALY) 0.0004	Polyamide (ITALY) 0.0002
Total	0.0021	0.0004	0.0002

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Total				0

KNIT JACQUARD - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Wool generic (ITALY) 42.7073	Viscose generic (ITALY) 9.0591	Polyamide (ITALY) 3.6237
Finishing Emissions (CO2g)	Wool generic (ITALY) 26.0411	Viscose generic (ITALY) 5.5239	Polyamide (ITALY) 2.2095
Laundry Emissions (CO2e g)	Wool generic (ITALY) 26.0411	Viscose generic (ITALY) 5.5239	Polyamide (ITALY) 2.2095
Washing & Drying Emissions	Wool generic (ITALY) 3.8194	Viscose generic (ITALY) 0.8102	Polyamide (ITALY) 0.3241
Total	98.6089	20.917100000000005	8.3668

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Total				0

KNIT JACQUARD - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Wool generic (ITALY) 0.0694	Viscose generic (ITALY) 0.0147	Polyamide (ITALY) 0.0059
Coating (CO2e g)	Wool generic (ITALY) 0	Viscose generic (ITALY) 0	Polyamide (ITALY) 0
Bonding (CO2e g)	Wool generic (ITALY) 0.1441	Viscose generic (ITALY) 0.0306	Polyamide (ITALY) 0.0122
Weaving (CO2e g)	Wool generic (ITALY) 65.9707	Viscose generic (ITALY) 13.9938	Polyamide (ITALY) 5.5975
Total	66.18419999999999	14.0391	5.6156

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Total				0

KNIT JACQUARD - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	ITALY	ITALY		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	ITALY	0.0416	1

Final Transportation

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool generic	ITALY	UNITED KINGDOM	AIR - 0	0
Viscose generic	ITALY	UNITED KINGDOM	AIR - 0	0
Polyamide	ITALY	UNITED KINGDOM	AIR - 0	0
Total				0

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