

Product Carbon Footprint Calculation Results

07/21/2025 - 15:47

Product	SKU	Gender	Wastage Percentage
PANTS	25AWFCD54957	Women	5%

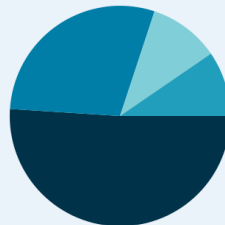
Property Name	Property Value	SQM
Length	long	0.95
Shape	boot cut	0.04
Rise	regular	0
Cargo	yes	0.03
EU SIZE	S woman	0.18141289437586086

Total Carbon Footprint

1.72 kg CO₂e

Estimated Offsetting Cost In EUR *

0.17 €



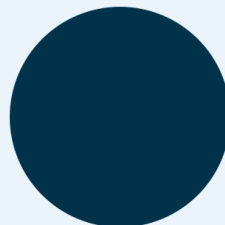
- Raw Material (51.16%)
- Yarn Production (29.13%)
- Fabric Production (10.40%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (9.58%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

0.88 kg CO₂e

Estimated Offsetting Cost In EUR *

0.09 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

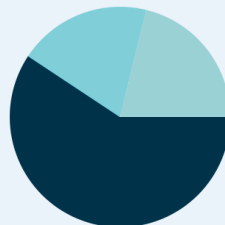
0 €

Process Carbon Footprint

0.84 kg CO₂e

Estimated Offsetting Cost In EUR *

0.08 €



- Yarn Production (59.64%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (19.62%)
- Fabric Production (21.30%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
DENIM JACQUARD	Raw Material	ITALY	Moderate Risk
DENIM JACQUARD	Yarn Production	ITALY	Moderate Risk
DENIM JACQUARD	Fabric Production	ITALY	Moderate Risk
DENIM JACQUARD	Cutting & Stitching	PORTUGAL	Moderate Risk
DENIM JACQUARD	Garment Manufacturing	PORTUGAL	Moderate Risk
DENIM JACQUARD	Finishing & Packaging	PORTUGAL	Moderate Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	1722.33	281.2	632.69
Yarn Production	0	224.96	442.88
Fabric Production	0	210.9	474.52
Garment Manufacturing	0	435.85	1739.9
Total (Liters)	1722.33	1152.91	3289.99

Land Impact Summary	
Total Land Use (m2)	0.01

DENIM JACQUARD - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Organic cotton	100%	2.5	351.4954	878.7384
Total	100%	2.5	351.5	878.74

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	ITALY		0
Total				0

DENIM JACQUARD - Yarn Production

Process Name	Material
Carding (CO2e g)	Organic cotton (ITALY) 43.7338
Winding (CO2e g)	Organic cotton (ITALY) 100.5876
Sizing (CO2e g)	Organic cotton (ITALY) 2.0928
Ring Spinning (CO2e g)	Organic cotton (ITALY) 209.922
Warping (CO2e g)	Organic cotton (ITALY) 7.1157
Roving (Co2e g)	Organic cotton (ITALY) 17.4935
Dyeing (CO2e g)	Organic cotton (ITALY) 54.4138
Blowing (CO2e g)	Organic cotton (ITALY) 39.3604
Drawing (CO2e g)	Organic cotton (ITALY) 26.2403
Total	500.95989999999999

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	ITALY		0
Total				0

DENIM JACQUARD - Cutting & Stitching

Process Name	Material
Major cutting	Organic cotton (PORTUGAL) 0.0035
Total	0.0035

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	PORTUGAL	PORTUGAL		0
Total				0

DENIM JACQUARD - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Organic cotton (PORTUGAL) 71.336
Finishing Emissions (CO2g)	Organic cotton (PORTUGAL) 43.4976
Laundry Emissions (CO2e g)	Organic cotton (PORTUGAL) 43.4976
Washing & Drying Emissions	Organic cotton (PORTUGAL) 6.3796
Total	164.7108

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	PORTUGAL	PORTUGAL		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	PORTUGAL	0.1336	14

DENIM JACQUARD - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Organic cotton (ITALY) 0.1877
Coating (CO2e g)	Organic cotton (ITALY) 0
Bonding (CO2e g)	Organic cotton (ITALY) 0.3895
Weaving (CO2e g)	Organic cotton (ITALY) 178.3136
Total	178.8908

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	ITALY	PORTUGAL	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

DENIM JACQUARD - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	PORTUGAL	PORTUGAL		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	PORTUGAL	0.0257	1

Final Transportation

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Organic cotton	PORTUGAL	UNITED KINGDOM	AIR - 0	0
Total				0

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