

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
OUTWEAR	25AWFCD54955	Women	5%

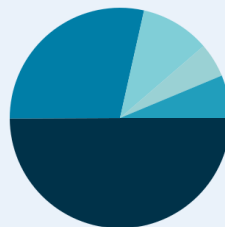
Property Name	Property Value	SQM
Body length	short	0.504
Fit	regular	0
Sleeves	long	0.3
Neck	regular reverse	0.03
Hood	no	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

1.46 kg CO₂e

Estimated Offsetting Cost In EUR *

0.15 €



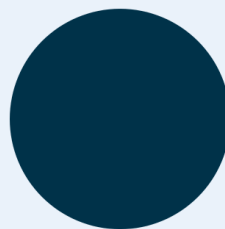
- Raw Material (50.00%)
- Yarn Production (28.60%)
- Spinning & Weaving (10.19%)
- Pattern Making & Cutting (5.03%)
- Stitching & Pressing (6.30%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

0.73 kg CO₂e

Estimated Offsetting Cost In EUR *

0.07 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

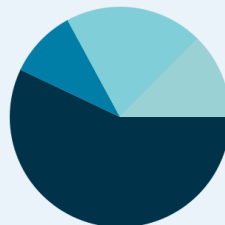
0 €

Process Carbon Footprint

0.73 kg CO₂e

Estimated Offsetting Cost In EUR *

0.07 €



- Yarn Production (57.21%)
- Pattern Making & Cutting (10.07%)
- Spinning & Weaving (20.38%)
- Stitching & Pressing (12.60%)
- Finishing & Packaging (0.00%)
- Denim Jacquard (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	Spinning & Weaving	ITALY	Moderate Risk
DENIM JACQUARD	Dyeing & Printing	ITALY	Moderate Risk
DENIM JACQUARD	Pattern Making & Cutting	PORTUGAL	Moderate Risk
DENIM JACQUARD	Stitching & Pressing	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	1435.76	234.41	527.42
Yarn Production	0	187.53	369.2
Total (Liters)	1435.76	421.94	896.62

Land Impact Summary	
Total Land Use (m2)	0.01

DENIM JACQUARD - Raw Material

Material	Percentage	CO ₂ e per GRAM	Fabric Grams	CO ₂ e Grams
Organic cotton	100%	2.5	293.0124	732.531
Total	100%	2.5	293.01	732.53

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) 36.4572
Winding (CO2e g)	Organic cotton (ITALY) 83.8515
Sizing (CO2e g)	Organic cotton (ITALY) 1.7446
Ring Spinning (CO2e g)	Organic cotton (ITALY) 174.9945
Warping (CO2e g)	Organic cotton (ITALY) 5.9317
Roving (Co2e g)	Organic cotton (ITALY) 14.5829
Dyeing (CO2e g)	Organic cotton (ITALY) 45.3603
Blowing (CO2e g)	Organic cotton (ITALY) 32.8115
Drawing (CO2e g)	Organic cotton (ITALY) 21.8743
Total	417.6085

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

DENIM JACQUARD - Pattern Making & Cutting

Process Name	Material
Cutting Emissions	Organic cotton (PORTUGAL) 36.2603
Pattern Making (CO2e g)	Organic cotton (PORTUGAL) 36.2603
Total	72.5206

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	0.9635	101

DENIM JACQUARD - Spinning & Weaving

Process Name	Material
Spinning (CO2e g)	Organic cotton (ITALY) 148.6452
Weaving(CO2e g)	Organic cotton (ITALY) 0.1565
Total	148.80169999999998

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Total				0

DENIM JACQUARD - Stitching & Pressing

Process Name	Material
Stitching(CO2e g)	Organic cotton (PORTUGAL) 91.8594
Pressing (CO2e g)	Organic cotton (PORTUGAL) 0.0967
Total	91.95609999999999

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