

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
SWEATERS	25AWFLK54924	Women	5%

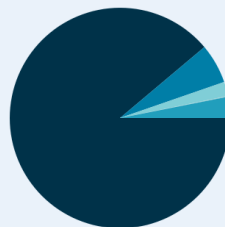
Property Name	Property Value	SQM
Body length	extra long	1.032
Fit	loose	7.84
Sleeves	long	0.23
Neck	boat	-0.025
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

6.41 kg CO₂e

Estimated Offsetting Cost In EUR *

0.64 €



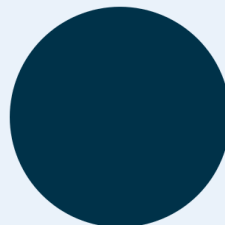
- Raw Material (88.92%)
- Yarn Production (5.83%)
- Fabric Production (2.08%)
- Knitting & Trimming (0.12%)
- Garment Manufacturing (3.10%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

5.7 kg CO₂e

Estimated Offsetting Cost In EUR *

0.57 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

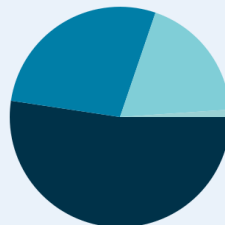
0 €

Process Carbon Footprint

0.71 kg CO₂e

Estimated Offsetting Cost In EUR *

0.07 €



- Yarn Production (52.64%)
- Garment Manufacturing (28.01%)
- Fabric Production (18.80%)
- Knitting & Trimming (1.08%)
- 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	Knitting & Trimming	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	1282.4	206.69	91.36
Yarn Production	0	165.35	63.95
Fabric Production	0	155.03	68.52
Garment Manufacturing	0	243.04	143.66
Total (Liters)	1282.4	770.11	367.49

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	202.1943	4994.2002
Viscose generic	28%	14.54	42.8897	623.6164
Polyamide	28%	4.6	17.1559	78.9171
Total	100%	43.84	262.24	5696.73

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) 25.1574	Viscose generic (ITALY) 5.3364	Polyamide (ITALY) 2.1346
Winding (CO2e g)	Wool generic (ITALY) 57.8621	Viscose generic (ITALY) 12.2738	Polyamide (ITALY) 4.9095
Sizing (CO2e g)	Wool generic (ITALY) 1.2039	Viscose generic (ITALY) 0.2554	Polyamide (ITALY) 0.1021
Ring Spinning (CO2e g)	Wool generic (ITALY) 120.7556	Viscose generic (ITALY) 25.6148	Polyamide (ITALY) 10.2459
Warping (CO2e g)	Wool generic (ITALY) 4.0932	Viscose generic (ITALY) 0.8683	Polyamide (ITALY) 0.3473
Roving (Co2e g)	Wool generic (ITALY) 10.063	Viscose generic (ITALY) 2.1346	Polyamide (ITALY) 0.8538
Dyeing (CO2e g)	Wool generic (ITALY) 31.301	Viscose generic (ITALY) 6.6396	Polyamide (ITALY) 2.6558
Blowing (CO2e g)	Wool generic (ITALY) 22.6417	Viscose generic (ITALY) 4.8028	Polyamide (ITALY) 1.9211
Drawing (CO2e g)	Wool generic (ITALY) 15.0945	Viscose generic (ITALY) 3.2019	Polyamide (ITALY) 1.2807
Total	288.1723999999999	61.1276	24.450799999999997

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) 66.4026	Viscose generic (ITALY) 14.0854	Polyamide (ITALY) 5.6342
Finishing Emissions (CO2g)	Wool generic (ITALY) 40.4894	Viscose generic (ITALY) 8.5887	Polyamide (ITALY) 3.4355

Process Name	Material		
Laundry Emissions (CO2e g)	Wool generic (ITALY) 40.4894	Viscose generic (ITALY) 8.5887	Polyamide (ITALY) 3.4355
Washing & Drying Emissions	Wool generic (ITALY) 5.9384	Viscose generic (ITALY) 1.2597	Polyamide (ITALY) 0.5039
Total	153.31980000000001	32.5225	13.009100000000002

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) 0.108	Viscose generic (ITALY) 0.0229	Polyamide (ITALY) 0.0092
Coating (CO2e g)	Wool generic (ITALY) 0	Viscose generic (ITALY) 0	Polyamide (ITALY) 0
Bonding (CO2e g)	Wool generic (ITALY) 0.224	Viscose generic (ITALY) 0.0475	Polyamide (ITALY) 0.019
Weaving (CO2e g)	Wool generic (ITALY) 102.5732	Viscose generic (ITALY) 21.7579	Polyamide (ITALY) 8.7032
Total	102.9052	21.8283	8.7314

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 - Knitting & Trimming

Process Name	Material		
Linking	Wool generic (ITALY) 5.9384	Viscose generic (ITALY) 1.2597	Polyamide (ITALY) 0.5039
Total	5.9384	1.2597	0.5039

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

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