

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
SKIRTS	25AWFKT54922	Women	5%

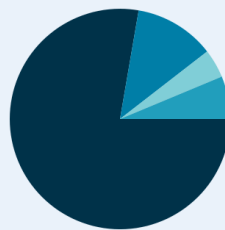
Property Name	Property Value	SQM
Length	knees	0.4761
Rise	regular	0
Shape	tube straight	0
EU SIZE	S woman	0.18141289437586086

Total Carbon Footprint

2.02 kg CO₂e

Estimated Offsetting Cost In EUR *

0.2 €



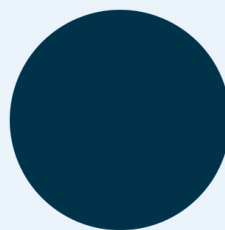
- Raw Material (77.72%)
- Yarn Production (11.80%)
- Fabric Production (4.21%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (6.28%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

1.57 kg CO₂e

Estimated Offsetting Cost In EUR *

0.16 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

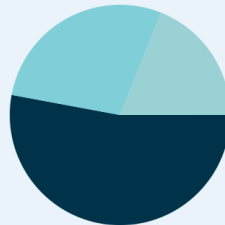
0 €

Process Carbon Footprint

0.45 kg CO₂e

Estimated Offsetting Cost In EUR *

0.05 €



- Yarn Production (52.96%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (28.18%)
- Fabric Production (18.91%)
- Finishing & Packaging (0.02%)

* 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	381.29	72.42	73.04
Yarn Production	0	57.94	51.13
Fabric Production	0	54.32	54.78
Garment Manufacturing	0	79.66	89.83
Total (Liters)	381.29	264.34	268.78

Land Impact Summary	
Total Land Use (m2)	0.06

KNIT JACQUARD - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose Rayon	44%	14.54	21.059	306.1973
Wool China	28%	30.2	40.2035	1214.1448
Cotton China	18%	2.37	14.2148	33.6891
Polyester China	10%	3.1	5.2647	16.3207
Total	100%	50.21	80.74	1570.35

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose Rayon	CHINA	CHINA		0
Wool China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
Total				0

KNIT JACQUARD - Yarn Production

Process Name	Material			
Carding (CO2e g)	Viscose Rayon (CHINA) 5.4269	Wool China (CHINA) 10.3604	Cotton China (CHINA) 3.6631	Polyester China (CHINA) 1.3567
Winding (CO2e g)	Viscose Rayon (CHINA) 12.4818	Wool China (CHINA) 23.8288	Cotton China (CHINA) 8.4252	Polyester China (CHINA) 3.1204
Sizing (CO2e g)	Viscose Rayon (CHINA) 0.2597	Wool China (CHINA) 0.4958	Cotton China (CHINA) 0.1753	Polyester China (CHINA) 0.0649
Ring Spinning (CO2e g)	Viscose Rayon (CHINA) 26.0489	Wool China (CHINA) 49.7297	Cotton China (CHINA) 17.583	Polyester China (CHINA) 6.5122
Warping (CO2e g)	Viscose Rayon (CHINA) 0.883	Wool China (CHINA) 1.6857	Cotton China (CHINA) 0.596	Polyester China (CHINA) 0.2207
Roving (Co2e g)	Viscose Rayon (CHINA) 2.1707	Wool China (CHINA) 4.1441	Cotton China (CHINA) 1.4653	Polyester China (CHINA) 0.5427
Dyeing (CO2e g)	Viscose Rayon (CHINA) 6.7521	Wool China (CHINA) 12.8904	Cotton China (CHINA) 4.5577	Polyester China (CHINA) 1.688
Blowing (CO2e g)	Viscose Rayon (CHINA) 4.8842	Wool China (CHINA) 9.3243	Cotton China (CHINA) 3.2968	Polyester China (CHINA) 1.221
Drawing (CO2e g)	Viscose Rayon (CHINA) 3.2561	Wool China (CHINA) 6.2162	Cotton China (CHINA) 2.1979	Polyester China (CHINA) 0.814
Total	62.163399999999996	118.6754	41.960299999999999	15.540600000000001

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose Rayon	CHINA	CHINA		0
Wool China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
Total				0

KNIT JACQUARD - Cutting & Stitching

Process Name	Material			
Major cutting	Viscose Rayon (CHINA) 0.0007	Wool China (CHINA) 0.0014	Cotton China (CHINA) 0.0005	Polyester China (CHINA) 0.0002
Total	0.0007	0.0014	0.0005	0.0002

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose Rayon	CHINA	CHINA		0
Wool China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
Total				0

KNIT JACQUARD - Garment Manufacturing

Process Name	Material			
Garment dyeing (CO2e g)	Viscose Rayon (CHINA) 14.3241	Wool China (CHINA) 27.346	Cotton China (CHINA) 9.6688	Polyester China (CHINA) 3.581
Finishing Emissions (CO2g)	Viscose Rayon (CHINA) 8.7342	Wool China (CHINA) 16.6744	Cotton China (CHINA) 5.8956	Polyester China (CHINA) 2.1836
Laundry Emissions (CO2e g)	Viscose Rayon (CHINA) 8.7342	Wool China (CHINA) 16.6744	Cotton China (CHINA) 5.8956	Polyester China (CHINA) 2.1836
Washing & Drying Emissions	Viscose Rayon (CHINA) 1.281	Wool China (CHINA) 2.4456	Cotton China (CHINA) 0.8647	Polyester China (CHINA) 0.3203
Total	33.073499999999996	63.140399999999999	22.3247	8.2685

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose Rayon	CHINA	CHINA		0
Wool China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
Total				0

KNIT JACQUARD - Fabric Production

Process Name	Material			
Heat Setting (CO2e g)	Viscose Rayon (CHINA) 0.0233	Wool China (CHINA) 0.0445	Cotton China (CHINA) 0.0157	Polyester China (CHINA) 0.0058
Coating (CO2e g)	Viscose Rayon (CHINA) 0	Wool China (CHINA) 0	Cotton China (CHINA) 0	Polyester China (CHINA) 0
Bonding (CO2e g)	Viscose Rayon (CHINA) 0.0483	Wool China (CHINA) 0.0923	Cotton China (CHINA) 0.0326	Polyester China (CHINA) 0.0121
Weaving (CO2e g)	Viscose Rayon (CHINA) 22.1267	Wool China (CHINA) 42.2418	Cotton China (CHINA) 14.9355	Polyester China (CHINA) 5.5317
Total	22.1983	42.3786	14.983799999999999	5.5496

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose Rayon	CHINA	CHINA		0

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
Total				0

KNIT JACQUARD - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose Rayon	CHINA	CHINA		0
Wool China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
Polyester China	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
Viscose Rayon	CHINA	UNITED KINGDOM	AIR - 0	0
Wool China	CHINA	UNITED KINGDOM	AIR - 0	0
Cotton China	CHINA	UNITED KINGDOM	AIR - 0	0
Polyester China	CHINA	UNITED KINGDOM	AIR - 0	0
Total				0

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