

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
SWEATERS	25AWFKT54923	Women	5%

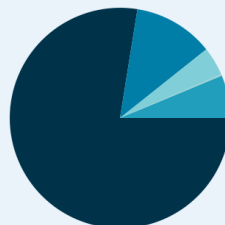
Property Name	Property Value	SQM
Body length	regular	0.48
Fit	regular	0
Sleeves	long	0.23
Neck	v neck	-0.018
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

2.94 kg CO₂e

Estimated Offsetting Cost In EUR *

0.29 €



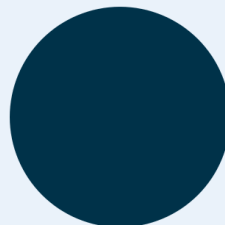
- Raw Material (77.55%)
- Yarn Production (11.77%)
- Fabric Production (4.20%)
- Knitting & Trimming (0.24%)
- Garment Manufacturing (6.26%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

2.28 kg CO₂e

Estimated Offsetting Cost In EUR *

0.23 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

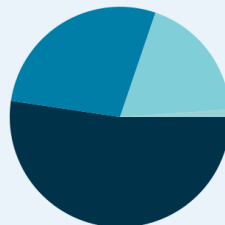
0 €

Process Carbon Footprint

0.66 kg CO₂e

Estimated Offsetting Cost In EUR *

0.07 €



- Yarn Production (52.41%)
- Garment Manufacturing (27.89%)
- Fabric Production (18.72%)
- 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	CHINA	High Risk
KNIT JACQUARD	Yarn Production	CHINA	High Risk
KNIT JACQUARD	Fabric Production	CHINA	High Risk
KNIT JACQUARD	Knitting & Trimming	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	553.39	105.11	106
Yarn Production	0	84.09	74.2
Fabric Production	0	78.83	79.5
Garment Manufacturing	0	115.62	130.38
Total (Liters)	553.39	383.65	390.08

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	30.564	444.4011
Wool China	28%	30.2	58.3495	1762.1555
Cotton China	18%	2.37	20.6307	48.8948
Polyester China	10%	3.1	7.641	23.6871
Total	100%	50.21	117.19	2279.14

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) 7.8763	Wool China (CHINA) 15.0366	Cotton China (CHINA) 5.3165	Polyester China (CHINA) 1.9691
Winding (CO2e g)	Viscose Rayon (CHINA) 18.1155	Wool China (CHINA) 34.5841	Cotton China (CHINA) 12.2279	Polyester China (CHINA) 4.5289
Sizing (CO2e g)	Viscose Rayon (CHINA) 0.3769	Wool China (CHINA) 0.7196	Cotton China (CHINA) 0.2544	Polyester China (CHINA) 0.0942
Ring Spinning (CO2e g)	Viscose Rayon (CHINA) 37.8062	Wool China (CHINA) 72.1755	Cotton China (CHINA) 25.5192	Polyester China (CHINA) 9.4515
Warping (CO2e g)	Viscose Rayon (CHINA) 1.2815	Wool China (CHINA) 2.4465	Cotton China (CHINA) 0.865	Polyester China (CHINA) 0.3204
Roving (Co2e g)	Viscose Rayon (CHINA) 3.1505	Wool China (CHINA) 6.0146	Cotton China (CHINA) 2.1266	Polyester China (CHINA) 0.7876
Dyeing (CO2e g)	Viscose Rayon (CHINA) 9.7997	Wool China (CHINA) 18.7086	Cotton China (CHINA) 6.6148	Polyester China (CHINA) 2.4499
Blowing (CO2e g)	Viscose Rayon (CHINA) 7.0887	Wool China (CHINA) 13.5329	Cotton China (CHINA) 4.7848	Polyester China (CHINA) 1.7722
Drawing (CO2e g)	Viscose Rayon (CHINA) 4.7258	Wool China (CHINA) 9.0219	Cotton China (CHINA) 3.1899	Polyester China (CHINA) 1.1814
Total	90.22109999999998	172.2403	60.899100000000004	22.555200000000003

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) 20.7894	Wool China (CHINA) 39.6888	Cotton China (CHINA) 14.0328	Polyester China (CHINA) 5.1973
Finishing Emissions (CO2g)	Viscose Rayon (CHINA) 12.6764	Wool China (CHINA) 24.2005	Cotton China (CHINA) 8.5566	Polyester China (CHINA) 3.1691
Laundry Emissions (CO2e g)	Viscose Rayon (CHINA) 12.6764	Wool China (CHINA) 24.2005	Cotton China (CHINA) 8.5566	Polyester China (CHINA) 3.1691
Washing & Drying Emissions	Viscose Rayon (CHINA) 1.8592	Wool China (CHINA) 3.5494	Cotton China (CHINA) 1.255	Polyester China (CHINA) 0.4648
Total	48.0014000000000004	91.639200000000002	32.400999999999996	12.000300000000001

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) 0.0338	Wool China (CHINA) 0.0645	Cotton China (CHINA) 0.0228	Polyester China (CHINA) 0.0085
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) 0.0701	Wool China (CHINA) 0.1339	Cotton China (CHINA) 0.0473	Polyester China (CHINA) 0.0175
Weaving (CO2e g)	Viscose Rayon (CHINA) 32.1136	Wool China (CHINA) 61.3078	Cotton China (CHINA) 21.6767	Polyester China (CHINA) 8.0284
Total	32.2175	61.5062	21.7468	8.0544

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 - Knitting & Trimming

Process Name	Material			
Linking	Viscose Rayon (CHINA) 1.8592	Wool China (CHINA) 3.5494	Cotton China (CHINA) 1.255	Polyester China (CHINA) 0.4648
Total	1.8592	3.5494	1.255	0.4648

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 - 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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