

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
TOPS	25AWFGK54926	Women	5%

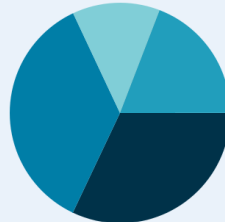
Property Name	Property Value	SQM
Body length	short	0.48
Fit	regular	0
Sleeves	half	0.14
Neck	crew	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

0.84 kg CO₂e

Estimated Offsetting Cost In EUR *

0.08 €



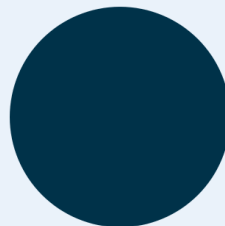
- Raw Material (32.14%)
- Yarn Production (36.09%)
- Fabric Production (12.89%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (19.20%)
- Finishing & Packaging (0.01%)

Raw Material Carbon Footprint

0.27 kg CO₂e

Estimated Offsetting Cost In EUR *

0.03 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

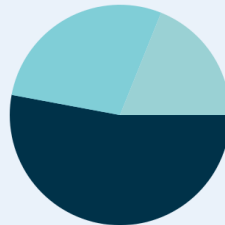
0 €

Process Carbon Footprint

0.57 kg CO₂e

Estimated Offsetting Cost In EUR *

0.06 €



- Yarn Production (53.18%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (28.29%)
- Fabric Production (18.99%)
- 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	595.6	154.03	359.41
Yarn Production	0	123.23	251.59
Fabric Production	0	115.53	269.56
Garment Manufacturing	0	169.44	442.08
Total (Liters)	595.6	562.23	1322.64

Land Impact Summary	
Total Land Use (m2)	0.01

KNIT JACQUARD - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton generic	100%	2.62	102.6899	269.0474
Total	100%	2.62	102.69	269.05

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	CHINA		0
Total				0

KNIT JACQUARD - Yarn Production

Process Name	Material
Carding (CO2e g)	Cotton generic (CHINA) 26.463
Winding (CO2e g)	Cotton generic (CHINA) 60.8648
Sizing (CO2e g)	Cotton generic (CHINA) 1.2664
Ring Spinning (CO2e g)	Cotton generic (CHINA) 127.0223
Warping (CO2e g)	Cotton generic (CHINA) 4.3056
Roving (Co2e g)	Cotton generic (CHINA) 10.5852
Dyeing (CO2e g)	Cotton generic (CHINA) 32.9254
Blowing (CO2e g)	Cotton generic (CHINA) 23.8167
Drawing (CO2e g)	Cotton generic (CHINA) 15.8778
Total	303.1272

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	CHINA		0
Total				0

KNIT JACQUARD - Cutting & Stitching

Process Name	Material
Major cutting	Cotton generic (CHINA) 0.0035
Total	0.0035

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	CHINA		0
Total				0

KNIT JACQUARD - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Cotton generic (CHINA) 69.8486
Finishing Emissions (CO2g)	Cotton generic (CHINA) 42.5906
Laundry Emissions (CO2e g)	Cotton generic (CHINA) 42.5906
Washing & Drying Emissions	Cotton generic (CHINA) 6.2466
Total	161.2764

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	CHINA		0
Total				0

KNIT JACQUARD - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Cotton generic (CHINA) 0.1136
Coating (CO2e g)	Cotton generic (CHINA) 0
Bonding (CO2e g)	Cotton generic (CHINA) 0.2357
Weaving (CO2e g)	Cotton generic (CHINA) 107.8962
Total	108.24549999999999

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	CHINA		0
Total				0

KNIT JACQUARD - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	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
Cotton generic	CHINA	UNITED KINGDOM	AIR - 0	0
Total				0

The software tools and services provided by Edmond Climate Network SA (hereinafter referred to as "the Company") are designed to assist users in the calculation and optimization of the carbon footprint of products in the fashion industry. However, the results, data, and recommendations provided by our software are for informational purposes only, with a tolerance of +/-10% and are not intended to constitute professional advice.

By using our software, the user acknowledges and agrees that the Company shall not be held responsible or liable for any direct, indirect, incidental, consequential, or punitive damages, including but not limited to any loss of profits, data, or business interruptions, that may arise from the use, misuse, or reliance on any data or information generated by our tools.

Furthermore, it is the sole responsibility of the user to ensure the accuracy, completeness, and verifiability of all data entered into the Company's software. The Company is not liable for any errors, inaccuracies, or omissions in the input data provided by the user. The user is responsible for ensuring that the data provided for calculation is correct and up-to-date. The Company does not guarantee the accuracy, reliability, or completeness of the results generated from the software, which are contingent upon the input data provided by the user.

The user understands and agrees that the Company provides no warranties, express or implied, regarding the accuracy, applicability, or reliability of the results generated by the software and disclaims any responsibility for the consequences of decisions made based on such results.

By using the software, the user agrees to indemnify and hold harmless the Company, its officers, directors, employees, and agents from any claims, damages, or losses resulting from the misuse of the software or any

failure by the user to input correct or verifiable data.

This disclaimer is subject to change without notice, and users are encouraged to review it regularly to stay informed of any updates.

