

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
SKIRTS	25AWVAL54831	Women	5%

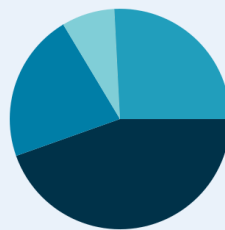
Property Name	Property Value	SQM
Length	calf	0.5658
Rise	regular	0
Shape	tube straight	0
EU SIZE	S woman	0.18141289437586086

Total Carbon Footprint

1.1 kg CO₂e

Estimated Offsetting Cost In EUR *

0.11 €



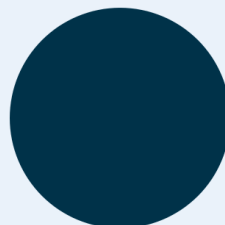
- Raw Material (44.55%)
- Yarn Production (21.81%)
- Fabric Production (7.79%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (25.79%)
- Finishing & Packaging (0.01%)

Raw Material Carbon Footprint

0.49 kg CO₂e

Estimated Offsetting Cost In EUR *

0.05 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

0 €

Process Carbon Footprint

0.61 kg CO₂e

Estimated Offsetting Cost In EUR *

0.06 €



- Yarn Production (39.34%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (46.51%)
- Fabric Production (14.05%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
OPERATO 100% COTONE 50/4	Raw Material	ITALY	Moderate Risk
OPERATO 100% COTONE 50/4	Yarn Production	ITALY	Moderate Risk
OPERATO 100% COTONE 50/4	Fabric Production	ITALY	Moderate Risk
OPERATO 100% COTONE 50/4	Cutting & Stitching	POLAND	Moderate Risk
OPERATO 100% COTONE 50/4	Garment Manufacturing	POLAND	Moderate Risk
OPERATO 100% COTONE 50/4	Finishing & Packaging	POLAND	Moderate Risk
WAXED COTTON	Raw Material	UNITED KINGDOM	Low Risk
WAXED COTTON	Yarn Production	UNITED KINGDOM	Low Risk
WAXED COTTON	Fabric Production	UNITED KINGDOM	Low Risk
WAXED COTTON	Cutting & Stitching	POLAND	Moderate Risk
WAXED COTTON	Garment Manufacturing	POLAND	Moderate Risk
WAXED COTTON	Finishing & Packaging	POLAND	Moderate Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	1088.66	281.55	656.95
Yarn Production	0	225.24	459.86
Fabric Production	0	211.16	492.71
Garment Manufacturing	0	309.7	808.05
Total (Liters)	1088.66	1027.65	2417.57

Land Impact Summary	
Total Land Use (m2)	0.02

OPERATO 100% COTONE 50/4 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton generic	100%	2.62	93.8497	245.8863
Total	100%	2.62	93.85	245.89

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

OPERATO 100% COTONE 50/4 - Yarn Production

Process Name	Material
Carding (CO2e g)	Cotton generic (ITALY) 11.677
Winding (CO2e g)	Cotton generic (ITALY) 26.857
Sizing (CO2e g)	Cotton generic (ITALY) 0.5588
Ring Spinning (CO2e g)	Cotton generic (ITALY) 56.0495
Warping (CO2e g)	Cotton generic (ITALY) 1.8999
Roving (Co2e g)	Cotton generic (ITALY) 4.6708
Dyeing (CO2e g)	Cotton generic (ITALY) 14.5286
Blowing (CO2e g)	Cotton generic (ITALY) 10.5093
Drawing (CO2e g)	Cotton generic (ITALY) 7.0062
Total	133.7571

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

OPERATO 100% COTONE 50/4 - Cutting & Stitching

Process Name	Material
Major cutting	Cotton generic (POLAND) 0.003
Total	0.003

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

OPERATO 100% COTONE 50/4 - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Cotton generic (POLAND) 61.4115
Finishing Emissions (CO2g)	Cotton generic (POLAND) 37.446

Process Name	Material
Laundry Emissions (CO2e g)	Cotton generic (POLAND) 37.446
Washing & Drying Emissions	Cotton generic (POLAND) 5.4921
Total	141.79559999999998

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	POLAND	0.1336	14

OPERATO 100% COTONE 50/4 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Cotton generic (ITALY) 0.0501
Coating (CO2e g)	Cotton generic (ITALY) 0
Bonding (CO2e g)	Cotton generic (ITALY) 0.104
Weaving (CO2e g)	Cotton generic (ITALY) 47.61
Total	47.7641

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	POLAND	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

OPERATO 100% COTONE 50/4 - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	POLAND	0.0829	1

WAXED COTTON - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton generic	100%	2.62	93.8497	245.8863
Total	100%	2.62	93.85	245.89

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

WAXED COTTON - Yarn Production

Process Name	Material
Carding (CO2e g)	Cotton generic (UNITED KINGDOM) 9.2716
Winding (CO2e g)	Cotton generic (UNITED KINGDOM) 21.3247
Sizing (CO2e g)	Cotton generic (UNITED KINGDOM) 0.4437
Ring Spinning (CO2e g)	Cotton generic (UNITED KINGDOM) 44.5037
Warping (CO2e g)	Cotton generic (UNITED KINGDOM) 1.5085
Roving (Co2e g)	Cotton generic (UNITED KINGDOM) 3.7086
Dyeing (CO2e g)	Cotton generic (UNITED KINGDOM) 11.5358
Blowing (CO2e g)	Cotton generic (UNITED KINGDOM) 8.3444
Drawing (CO2e g)	Cotton generic (UNITED KINGDOM) 5.563
Total	106.204

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

WAXED COTTON - Cutting & Stitching

Process Name	Material
Major cutting	Cotton generic (POLAND) 0.003
Total	0.003

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

WAXED COTTON - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Cotton generic (POLAND) 61.4115
Finishing Emissions (CO2g)	Cotton generic (POLAND) 37.446
Laundry Emissions (CO2e g)	Cotton generic (POLAND) 37.446
Washing & Drying Emissions	Cotton generic (POLAND) 5.4921
Total	141.79559999999998

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	POLAND	0.1336	14

WAXED COTTON - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Cotton generic (UNITED KINGDOM) 0.0398
Coating (CO2e g)	Cotton generic (UNITED KINGDOM) 0
Bonding (CO2e g)	Cotton generic (UNITED KINGDOM) 0.0826
Weaving (CO2e g)	Cotton generic (UNITED KINGDOM) 37.8027
Total	37.9251

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	UNITED KINGDOM	POLAND	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

WAXED COTTON - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	POLAND	0.0829	1

Final Transportation

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	POLAND	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.

