Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU	Gender	Wastage Percentage
BLAZER	CLOVE JACKET	Women	5%

Property Name	Property Value	SQM
Body length	regular	0.656
Fit	regular	0
Pockets	2 flaps	0.0123
Sleeves	regular	0.2624
Front	reverse single breasted one/two botton	2.56
EU SIZE	L woman	0.19897744204083448

External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton generic	70%	2.62	136.7703	358.3382
Viscose generic	28%	14.54	33.1564	482.0947
Elastane generic	2%	10.7	4.7366	50.682
Total	**100%**	**27.86**	**174.66**	**891.11**

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

External - Yarn Production

Process Name	Material		
Carding (CO2e g)	Cotton generic (ITALY) 17.0172	Viscose generic (ITALY) 4.1254	Elastane generic (ITALY) 0.5893
Winding (CO2e g)	Cotton generic (ITALY) 39.1396	Viscose generic (ITALY) 9.4884	Elastane generic (ITALY) 1.3555
Sizing (CO2e g)	Cotton generic (ITALY) 0.8143	Viscose generic (ITALY) 0.1974	Elastane generic (ITALY) 0.0282

Process Name	Material		
Ring Spinning (CO2e g)	Cotton generic (ITALY) 81.6827	Viscose generic (ITALY) 19.8019	Elastane generic (ITALY) 2.8288
Warping (CO2e g)	Cotton generic (ITALY) 2.7688	Viscose generic (ITALY) 0.6712	Elastane generic (ITALY) 0.0959
Roving (Co2e g)	Cotton generic (ITALY) 6.8069	Viscose generic (ITALY) 1.6502	Elastane generic (ITALY) 0.2357
Yarn Production - Dyeing (CO2e g)	Cotton generic (ITALY) 21.1729	Viscose generic (ITALY) 5.1328	Elastane generic (ITALY) 0.7333
Blowing (CO2e g)	Cotton generic (ITALY) 15.3155	Viscose generic (ITALY) 3.7129	Elastane generic (ITALY) 0.5304
Drawing (CO2e g)	Cotton generic (ITALY) 10.2103	Viscose generic (ITALY) 2.4752	Elastane generic (ITALY) 0.3536
Total	**194.92819999999998**	**47.2554**	**6.7507**

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

External - Cutting & Stitching

Process Name	Material		
Major cutting	Cotton generic (ITALY) 0.0022	Viscose generic (ITALY) 0.0005	Elastane generic (ITALY) 0.0001
Total	**0.0022**	**0.0005**	**0.0001**

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

External - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Cotton generic (ITALY) 0.073	Viscose generic (ITALY) 0.0177	Elastane generic (ITALY) 0.0025
Weaving (CO2e g)	Cotton generic (ITALY) 69.3836	Viscose generic (ITALY) 16.8203	Elastane generic (ITALY) 2.4029
Total	**69.4566**	**16.838**	**2.4053999999999998**

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Total				**0**

External - Garment Manufacturing

Process Name	Material		
Finishing Emissions (CO2g)	Cotton generic (ITALY) 27.3883	Viscose generic (ITALY) 6.6396	Elastane generic (ITALY) 0.9485
Laundry Emissions (CO2e g)	Cotton generic (ITALY) 27.3883	Viscose generic (ITALY) 6.6396	Elastane generic (ITALY) 0.9485
Washing & Drying Emissions	Cotton generic (ITALY) 4.0169	Viscose generic (ITALY) 0.9738	Elastane generic (ITALY) 0.1391
Total	**58.7935**	**14.253**	**2.0361000000000002**

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

Production Group	Process Name	Country	CO2e	Value
Addition	Button Metal Medium Size	ITALY	0.3578	9

External - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	ITALY	0.0416	1

Fabric_2 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	118.4159	1721.7667
Total	**100%**	**14.54**	**118.42**	**1721.77**

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

Fabric_2 - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (ITALY) 14.7335
Winding (CO2e g)	Viscose generic (ITALY) 33.8871
Sizing (CO2e g)	Viscose generic (ITALY) 0.7051
Ring Spinning (CO2e g)	Viscose generic (ITALY) 70.721
Warping (CO2e g)	Viscose generic (ITALY) 2.3972
Roving (Co2e g)	Viscose generic (ITALY) 5.8934
Yarn Production - Dyeing (CO2e g)	Viscose generic (ITALY) 18.3316
Blowing (CO2e g)	Viscose generic (ITALY) 13.2602
Drawing (CO2e g)	Viscose generic (ITALY) 8.8401
Total	**168.7692**

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

Fabric_2 - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (ITALY) 0.0019
Total	**0.0019**

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

Fabric_2 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (ITALY) 0.0632
Weaving (CO2e g)	Viscose generic (ITALY) 60.0724
Total	**60.135600000000004**

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

Fabric_2 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Viscose generic (ITALY) 23.7128
Laundry Emissions (CO2e g)	Viscose generic (ITALY) 23.7128
Washing & Drying Emissions	Viscose generic (ITALY) 3.4779
Total	**50.9035**

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

Production Group	Process Name	Country	CO2e	Value
Addition	Button Metal Medium Size	ITALY	0.3578	9

Fabric_2 - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	ITALY	0.0416	1

Final Transportation

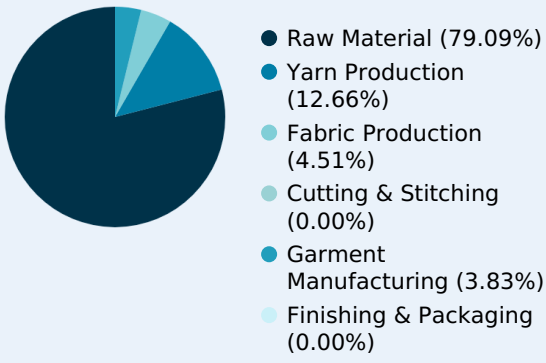
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	UNITED KINGDOM	AIR - 0	0
Viscose generic	ITALY	UNITED KINGDOM	AIR - 0	0
Elastane generic	ITALY	UNITED KINGDOM	AIR - 0	0
Total				**0**

Total Carbon Footprint

3.3 kg CO_2e

Estimated Offsetting Cost In EUR *

0.33 €

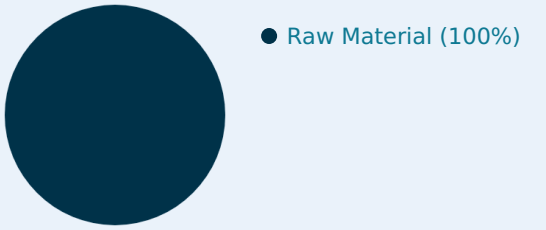


Raw Material Carbon Footprint

2.61 kg CO_2e

Estimated Offsetting Cost In EUR *

0.26 €



Transportation Carbon Footprint

0 kg CO_2e

Estimated Offsetting Cost In EUR *

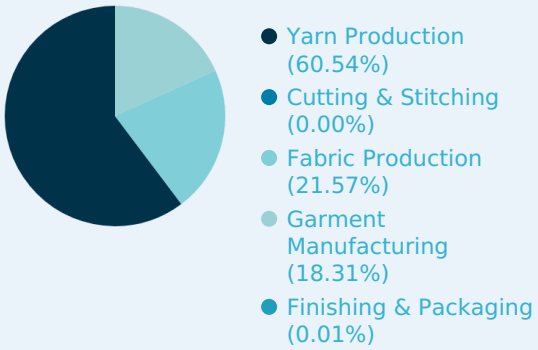
0 €

Process Carbon Footprint

0.69 kg CO_2e

Estimated Offsetting Cost In EUR *

0.07 €



* Current Average Market Value Of High Quality Carbon Credit

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.