Product Carbon Footprint Calculation Results

02/04/2025 - 15:45

Product	SKU	Gender	Wastage Percentage
OUTWEAR	GRACIA COAT	Women	5%

Property Name	Property Value	SQM
Body length	parka lenght	0.7
Fit	loose	2.56
Sleeves	long	0.3
Neck	crew	0
Hood	no	0
EU SIZE	L woman	0.19897744204083448

External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	121.9683	1773.4191
Total	**100%**	**14.54**	**121.97**	**1773.42**

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

External - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (ITALY) 15.1755
Winding (CO2e g)	Viscose generic (ITALY) 34.9037
Sizing (CO2e g)	Viscose generic (ITALY) 0.7262
Ring Spinning (CO2e g)	Viscose generic (ITALY) 72.8426
Warping (CO2e g)	Viscose generic (ITALY) 2.4691
Roving (Co2e g)	Viscose generic (ITALY) 6.0702
Yarn Production - Dyeing (CO2e g)	Viscose generic (ITALY) 18.8815
Blowing (CO2e g)	Viscose generic (ITALY) 13.658
Drawing (CO2e g)	Viscose generic (ITALY) 9.1053

Process Name	Material
Total	**173.83209999999997**

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

External - Pattern Making & Cutting

Process Name	Material
Cutting Emissions	Viscose generic (INDIA) 70.9856
Pattern Making (CO2e g)	Viscose generic (INDIA) 70.9856
Total	**141.9712**

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

Production Group	Process Name	Country	CO2e	Value
Addition	Paillettes (unit)	INDIA	0.0597	80

External - Spinning & Weaving

Process Name	Material
Spinning (CO2e g)	Viscose generic (ITALY) 61.8745
Weaving(CO2e g)	Viscose generic (ITALY) 0.0651
Total	**61.9396**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	ITALY	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				**0**

External - Stitching & Pressing

Process Name	Material
Stitching(CO2e g)	Viscose generic (INDIA) 179.8301
Pressing (CO2e g)	Viscose generic (INDIA) 0.1893
Total	**180.0194**

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

External - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

Fabric_2 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	121.9683	1773.4191
Total	**100%**	**14.54**	**121.97**	**1773.42**

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

Fabric_2 - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 31.431
Winding (CO2e g)	Viscose generic (CHINA) 72.2913
Sizing (CO2e g)	Viscose generic (CHINA) 1.5041
Ring Spinning (CO2e g)	Viscose generic (CHINA) 150.8687
Warping (CO2e g)	Viscose generic (CHINA) 5.1139
Roving (Co2e g)	Viscose generic (CHINA) 12.5724
Yarn Production - Dyeing (CO2e g)	Viscose generic (CHINA) 39.1066
Blowing (CO2e g)	Viscose generic (CHINA) 28.2879
Drawing (CO2e g)	Viscose generic (CHINA) 18.8586
Total	**360.03450000000004**

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

Fabric_2 - Pattern Making & Cutting

Process Name	Material
Cutting Emissions	Viscose generic (CHINA) 50.5864
Pattern Making (CO2e g)	Viscose generic (CHINA) 50.5864
Total	**101.1728**

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

Production Group	Process Name	Country	CO2e	Value
Addition	Paillettes (unit)	INDIA	0.0597	80

Fabric_2 - Spinning & Weaving

Process Name	Material
Spinning (CO2e g)	Viscose generic (CHINA) 128.1521
Weaving(CO2e g)	Viscose generic (CHINA) 0.1349
Total	**128.28699999999998**

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

Fabric_2 - Stitching & Pressing

Process Name	Material
Stitching(CO2e g)	Viscose generic (CHINA) 128.1521
Pressing (CO2e g)	Viscose generic (CHINA) 0.1349
Total	**128.28699999999998**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				**0**

Fabric_2 - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

Final Transportation

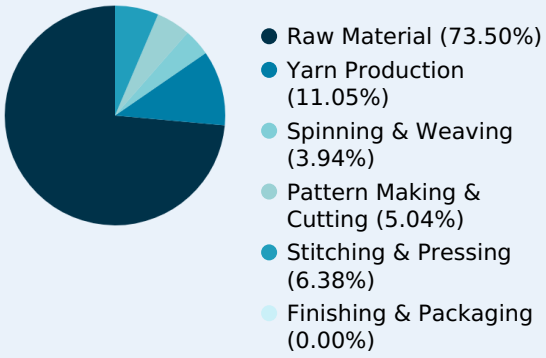
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	UNITED KINGDOM	AIR - 0	0
Total				**0**

Total Carbon Footprint

4.83 kg CO_2e

Estimated Offsetting Cost In EUR *

0.48 €

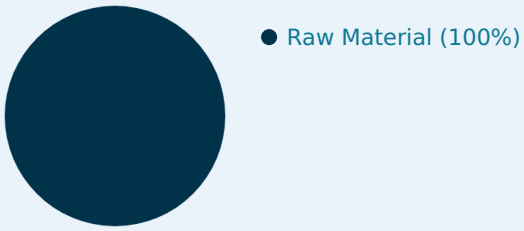


Raw Material Carbon Footprint

3.55 kg CO_2e

Estimated Offsetting Cost In EUR *

0.36 €



Transportation Carbon Footprint

0 kg CO_2e

Estimated Offsetting Cost In EUR *

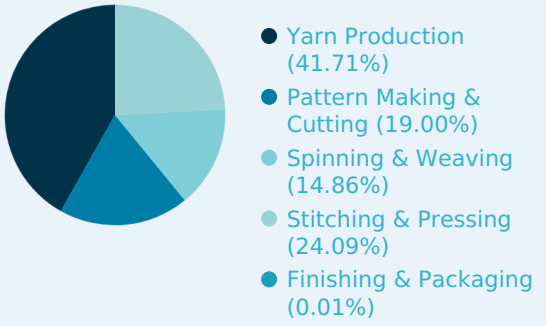
0 €

Process Carbon Footprint

1.28 kg CO_2e

Estimated Offsetting Cost In EUR *

0.13 €



* Current Average Market Value Of High Quality Carbon Credit

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