Product Carbon Footprint Calculation Results

02/04/2025 - 15:45

Product	SKU	Gender	Wastage Percentage
OUTWEAR	CASA COAT	Women	5%

Property Name	Property Value	SQM
Body length	parka lenght	0.7
Fit	regular	0
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	61%	14.54	66.9071	972.8288
Acetate	38%	38	70.8557	2692.516
Total	**99%**	**52.54**	**137.76**	**3665.34**

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

External - Yarn Production

Process Name	Material	
Carding (CO2e g)	Viscose generic (ITALY) 8.3247	Acetate (ITALY) 8.816
Winding (CO2e g)	Viscose generic (ITALY) 19.1468	Acetate (ITALY) 20.2768
Sizing (CO2e g)	Viscose generic (ITALY) 0.3984	Acetate (ITALY) 0.4219
Ring Spinning (CO2e g)	Viscose generic (ITALY) 39.9586	Acetate (ITALY) 42.3168
Warping (CO2e g)	Viscose generic (ITALY) 1.3545	Acetate (ITALY) 1.4344
Roving (Co2e g)	Viscose generic (ITALY) 3.3299	Acetate (ITALY) 3.5264
Yarn Production - Dyeing (CO2e g)	Viscose generic (ITALY) 10.3577	Acetate (ITALY) 10.9689

Process Name	Material	
Blowing (CO2e g)	Viscose generic (ITALY) 7.4922	Acetate (ITALY) 7.9344
Drawing (CO2e g)	Viscose generic (ITALY) 4.9948	Acetate (ITALY) 5.2896
Total	**95.35759999999998**	**100.98519999999999**

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

External - Pattern Making & Cutting

Process Name	Material	
Cutting Emissions	Viscose generic (INDIA) 38.9399	Acetate (INDIA) 41.238
Pattern Making (CO2e g)	Viscose generic (INDIA) 38.9399	Acetate (INDIA) 41.238
Total	**77.8798**	**82.476**

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

External - Spinning & Weaving

Process Name	Material	
Spinning (CO2e g)	Viscose generic (ITALY) 33.942	Acetate (ITALY) 35.9451
Weaving(CO2e g)	Viscose generic (ITALY) 0.0357	Acetate (ITALY) 0.0378
Total	**33.9777**	**35.982899999999994**

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

External - Stitching & Pressing

Process Name	Material	
Stitching(CO2e g)	Viscose generic (INDIA) 98.6478	Acetate (INDIA) 104.4696
Pressing (CO2e g)	Viscose generic (INDIA) 0.1038	Acetate (INDIA) 0.11
Total	**98.75160000000001**	**104.5796**

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

External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	INDIA		0
Acetate	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	109.6837	1594.8013
Total	**100%**	**14.54**	**109.68**	**1594.8**

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) 28.2653
Winding (CO2e g)	Viscose generic (CHINA) 65.0101
Sizing (CO2e g)	Viscose generic (CHINA) 1.3526
Ring Spinning (CO2e g)	Viscose generic (CHINA) 135.6733
Warping (CO2e g)	Viscose generic (CHINA) 4.5989
Roving (Co2e g)	Viscose generic (CHINA) 11.3061
Yarn Production - Dyeing (CO2e g)	Viscose generic (CHINA) 35.1678
Blowing (CO2e g)	Viscose generic (CHINA) 25.4387
Drawing (CO2e g)	Viscose generic (CHINA) 16.9592
Total	**323.772**

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) 45.4913
Pattern Making (CO2e g)	Viscose generic (CHINA) 45.4913
Total	**90.9826**

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

Fabric_2 - Spinning & Weaving

Process Name	Material
Spinning (CO2e g)	Viscose generic (CHINA) 115.2447
Weaving(CO2e g)	Viscose generic (CHINA) 0.1213
Total	**115.366**

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) 115.2447
Pressing (CO2e g)	Viscose generic (CHINA) 0.1213
Total	**115.366**

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

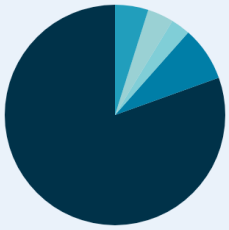
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Acetate	INDIA	UNITED KINGDOM	AIR - 0	0
Total				**0**

Total Carbon Footprint

6.54 kg CO_2e

Estimated Offsetting Cost In EUR *

0.65 €



- Raw Material (80.43%)
- Yarn Production (7.95%)
- Spinning & Weaving (2.83%)
- Pattern Making & Cutting (3.84%)
- Stitching & Pressing (4.87%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

5.26 kg CO_2e

Estimated Offsetting Cost In EUR *

0.53 €

- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO_2e

Estimated Offsetting Cost In EUR *

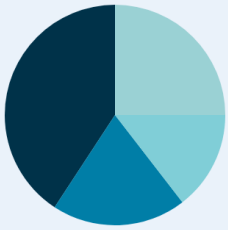
0 €

Process Carbon Footprint

1.28 kg CO_2e

Estimated Offsetting Cost In EUR *

0.13 €



- Yarn Production (40.63%)
- Pattern Making & Cutting (19.64%)
- Spinning & Weaving (14.48%)
- Stitching & Pressing (24.90%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

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