

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
OUTWEAR	25AWVIC54860	Women	5%

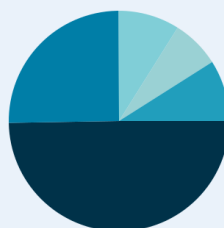
Property Name	Property Value	SQM
Body length	parka lenght	0.7
Fit	regular	0
Sleeves	long	0.3
Neck	regular reverse	0.03
Hood	no	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

2.69 kg CO₂e

Estimated Offsetting Cost In EUR *

0.27 €



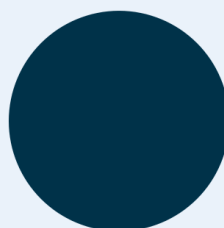
- Raw Material (49.81%)
- Yarn Production (25.25%)
- Spinning & Weaving (9.00%)
- Pattern Making & Cutting (7.10%)
- Stitching & Pressing (9.00%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

1.34 kg CO₂e

Estimated Offsetting Cost In EUR *

0.13 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

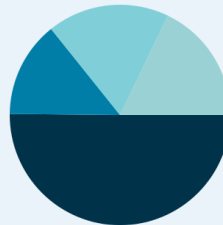
0 €

Process Carbon Footprint

1.35 kg CO₂e

Estimated Offsetting Cost In EUR *

0.14 €



- Yarn Production (50.32%)
- Pattern Making & Cutting (14.14%)
- Spinning & Weaving (17.93%)
- Stitching & Pressing (17.93%)
- 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 50/3	Raw Material	ITALY	Moderate Risk
OPERATO 100% COTONE 50/3	Yarn Production	ITALY	Moderate Risk
OPERATO 100% COTONE 50/3	Spinning & Weaving	ITALY	Moderate Risk
OPERATO 100% COTONE 50/3	Dyeing & Printing	ITALY	Moderate Risk
OPERATO 100% COTONE 50/3	Pattern Making & Cutting	ITALY	Moderate Risk
OPERATO 100% COTONE 50/3	Stitching & Pressing	ITALY	Moderate Risk
OPERATO 100% COTONE 50/3	Finishing & Packaging	POLAND	Moderate Risk
COTTON BINDING	Raw Material	ITALY	Moderate Risk
COTTON BINDING	Yarn Production	ITALY	Moderate Risk
COTTON BINDING	Spinning & Weaving	ITALY	Moderate Risk
COTTON BINDING	Dyeing & Printing	ITALY	Moderate Risk
COTTON BINDING	Pattern Making & Cutting	ITALY	Moderate Risk
COTTON BINDING	Stitching & Pressing	ITALY	Moderate Risk
COTTON BINDING	Finishing & Packaging	POLAND	Moderate Risk
WAXED COTTON	Raw Material	UNITED KINGDOM	Low Risk
WAXED COTTON	Yarn Production	UNITED KINGDOM	Low Risk
WAXED COTTON	Spinning & Weaving	UNITED KINGDOM	Low Risk
WAXED COTTON	Dyeing & Printing	UNITED KINGDOM	Low Risk
WAXED COTTON	Pattern Making & Cutting	UNITED KINGDOM	Low Risk
WAXED COTTON	Stitching & Pressing	UNITED KINGDOM	Low Risk

Layer	Production Phase	Country	Country Risk / Provider
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	2968.4	767.69	1791.28
Yarn Production	0	614.15	1253.89
Total (Liters)	2968.4	1381.84	3045.17

Land Impact Summary	
Total Land Use (m2)	0.03

OPERATO 100% COTONE 50/3 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton generic	100%	2.62	170.5977	446.9659
Total	100%	2.62	170.6	446.97

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

OPERATO 100% COTONE 50/3 - Yarn Production

Process Name	Material
Carding (CO2e g)	Cotton generic (ITALY) 21.2261
Winding (CO2e g)	Cotton generic (ITALY) 48.82
Sizing (CO2e g)	Cotton generic (ITALY) 1.0158
Ring Spinning (CO2e g)	Cotton generic (ITALY) 101.8853
Warping (CO2e g)	Cotton generic (ITALY) 3.4536
Roving (Co2e g)	Cotton generic (ITALY) 8.4904
Dyeing (CO2e g)	Cotton generic (ITALY) 26.4096
Blowing (CO2e g)	Cotton generic (ITALY) 19.1035
Drawing (CO2e g)	Cotton generic (ITALY) 12.7357
Total	243.14000000000001

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

OPERATO 100% COTONE 50/3 - Pattern Making & Cutting

Process Name	Material
Cutting Emissions	Cotton generic (ITALY) 34.1622
Pattern Making (CO2e g)	Cotton generic (ITALY) 34.1622

Process Name	Material
Total	68.3244

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

OPERATO 100% COTONE 50/3 - Spinning & Weaving

Process Name	Material
Spinning (CO2e g)	Cotton generic (ITALY) 86.5442
Weaving(CO2e g)	Cotton generic (ITALY) 0.0911
Total	86.6353

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

OPERATO 100% COTONE 50/3 - Stitching & Pressing

Process Name	Material
Stitching(CO2e g)	Cotton generic (ITALY) 86.5442
Pressing (CO2e g)	Cotton generic (ITALY) 0.0911
Total	86.6353

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 50/3 - 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

COTTON BINDING - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton generic	100%	2.62	170.5977	446.9659
Total	100%	2.62	170.6	446.97

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

COTTON BINDING - Yarn Production

Process Name	Material
Carding (CO2e g)	Cotton generic (ITALY) 21.2261
Winding (CO2e g)	Cotton generic (ITALY) 48.82
Sizing (CO2e g)	Cotton generic (ITALY) 1.0158
Ring Spinning (CO2e g)	Cotton generic (ITALY) 101.8853
Warping (CO2e g)	Cotton generic (ITALY) 3.4536
Roving (Co2e g)	Cotton generic (ITALY) 8.4904
Dyeing (CO2e g)	Cotton generic (ITALY) 26.4096
Blowing (CO2e g)	Cotton generic (ITALY) 19.1035
Drawing (CO2e g)	Cotton generic (ITALY) 12.7357
Total	243.14000000000001

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

COTTON BINDING - Pattern Making & Cutting

Process Name	Material
Cutting Emissions	Cotton generic (ITALY) 34.1622
Pattern Making (CO2e g)	Cotton generic (ITALY) 34.1622
Total	68.3244

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

COTTON BINDING - Spinning & Weaving

Process Name	Material
Spinning (CO2e g)	Cotton generic (ITALY) 86.5442
Weaving(CO2e g)	Cotton generic (ITALY) 0.0911
Total	86.6353

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

COTTON BINDING - Stitching & Pressing

Process Name	Material
Stitching(CO2e g)	Cotton generic (ITALY) 86.5442
Pressing (CO2e g)	Cotton generic (ITALY) 0.0911
Total	86.6353

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

COTTON BINDING - 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	170.5977	446.9659
Total	100%	2.62	170.6	446.97

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) 16.8537
Winding (CO2e g)	Cotton generic (UNITED KINGDOM) 38.7635
Sizing (CO2e g)	Cotton generic (UNITED KINGDOM) 0.8065
Ring Spinning (CO2e g)	Cotton generic (UNITED KINGDOM) 80.8977
Warping (CO2e g)	Cotton generic (UNITED KINGDOM) 2.7422
Roving (Co2e g)	Cotton generic (UNITED KINGDOM) 6.7415
Dyeing (CO2e g)	Cotton generic (UNITED KINGDOM) 20.9695
Blowing (CO2e g)	Cotton generic (UNITED KINGDOM) 15.1683
Drawing (CO2e g)	Cotton generic (UNITED KINGDOM) 10.1122
Total	193.05509999999998

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

WAXED COTTON - Pattern Making & Cutting

Process Name	Material
Cutting Emissions	Cotton generic (UNITED KINGDOM) 27.125
Pattern Making (CO2e g)	Cotton generic (UNITED KINGDOM) 27.125
Total	54.25

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

WAXED COTTON - Spinning & Weaving

Process Name	Material
Spinning (CO2e g)	Cotton generic (UNITED KINGDOM) 68.7167
Weaving(CO2e g)	Cotton generic (UNITED KINGDOM) 0.0723
Total	68.789

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

WAXED COTTON - Stitching & Pressing

Process Name	Material
Stitching(CO2e g)	Cotton generic (UNITED KINGDOM) 68.7167
Pressing (CO2e g)	Cotton generic (UNITED KINGDOM) 0.0723
Total	68.789

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

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