

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
PANTS	25AWCOL54710A	Women	5%

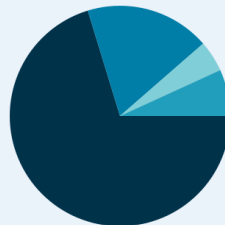
Property Name	Property Value	SQM
Length	long	0.95
Shape	loose	2.89
Rise	regular	0
Cargo	yes	0.03
EU SIZE	S woman	0.18141289437586086

Total Carbon Footprint

3.19 kg CO₂e

Estimated Offsetting Cost In EUR *

0.32 €



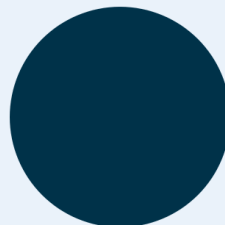
- Raw Material (70.22%)
- Yarn Production (18.30%)
- Fabric Production (4.57%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (6.82%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

2.24 kg CO₂e

Estimated Offsetting Cost In EUR *

0.22 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

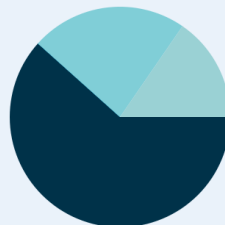
0 €

Process Carbon Footprint

0.95 kg CO₂e

Estimated Offsetting Cost In EUR *

0.1 €



- Yarn Production (61.45%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (22.91%)
- Fabric Production (15.36%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
TWEED LIKE FABRIC	Raw Material	ITALY	Moderate Risk
TWEED LIKE FABRIC	Yarn Production	ITALY	Moderate Risk
TWEED LIKE FABRIC	Fabric Production	ITALY	Moderate Risk
TWEED LIKE FABRIC	Cutting & Stitching	ITALY	Moderate Risk
TWEED LIKE FABRIC	Garment Manufacturing	ITALY	Moderate Risk
TWEED LIKE FABRIC	Finishing & Packaging	ITALY	Moderate Risk
T-LOGO LINING	Raw Material	CHINA	High Risk
T-LOGO LINING	Yarn Production	CHINA	High Risk
T-LOGO LINING	Fabric Production	ITALY	Moderate Risk
T-LOGO LINING	Cutting & Stitching	ITALY	Moderate Risk
T-LOGO LINING	Garment Manufacturing	ITALY	Moderate Risk
T-LOGO LINING	Finishing & Packaging	ITALY	Moderate Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	1119.47	278.17	484.61
Yarn Production	0	222.54	339.22
Fabric Production	0	208.63	363.45
Garment Manufacturing	0	347.73	666.81
Total (Liters)	1119.47	1057.07	1854.09

Land Impact Summary	
Total Land Use (m2)	0.02

TWEED LIKE FABRIC - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton generic	65%	2.62	123.072	322.4487
Polyester China	28%	3.1	35.3438	109.5656
Acrylic	4%	10.59	11.4752	121.5229
Polyamide	2%	4.6	0.918	4.2229
Viscose generic	1%	14.54	1.1475	16.685
Total	100%	35.45	171.96	574.45

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
Polyester China	ITALY	ITALY		0
Acrylic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Total				0

TWEED LIKE FABRIC - Yarn Production

Process Name	Material				
Carding (CO2e g)	Cotton generic (ITALY) 15.3129	Polyester China (ITALY) 4.3975	Acrylic (ITALY) 1.4278	Polyamide (ITALY) 0.1142	Viscose generic (ITALY) 0.1428
Winding (CO2e g)	Cotton generic (ITALY) 35.2196	Polyester China (ITALY) 10.1143	Acrylic (ITALY) 3.2839	Polyamide (ITALY) 0.2627	Viscose generic (ITALY) 0.3284
Sizing (CO2e g)	Cotton generic (ITALY) 0.7328	Polyester China (ITALY) 0.2104	Acrylic (ITALY) 0.0683	Polyamide (ITALY) 0.0055	Viscose generic (ITALY) 0.0068
Ring Spinning (CO2e g)	Cotton generic (ITALY) 73.5018	Polyester China (ITALY) 21.1082	Acrylic (ITALY) 6.8533	Polyamide (ITALY) 0.5483	Viscose generic (ITALY) 0.6853
Warping (CO2e g)	Cotton generic (ITALY) 2.4915	Polyester China (ITALY) 0.7155	Acrylic (ITALY) 0.2323	Polyamide (ITALY) 0.0186	Viscose generic (ITALY) 0.0232
Roving (Co2e g)	Cotton generic (ITALY) 6.1251	Polyester China (ITALY) 1.759	Acrylic (ITALY) 0.5711	Polyamide (ITALY) 0.0457	Viscose generic (ITALY) 0.0571
Dyeing (CO2e g)	Cotton generic (ITALY) 19.0524	Polyester China (ITALY) 5.4714	Acrylic (ITALY) 1.7764	Polyamide (ITALY) 0.1421	Viscose generic (ITALY) 0.1776
Blowing (CO2e g)	Cotton generic (ITALY) 13.7816	Polyester China (ITALY) 3.9578	Acrylic (ITALY) 1.285	Polyamide (ITALY) 0.1028	Viscose generic (ITALY) 0.1285
Drawing (CO2e g)	Cotton generic (ITALY) 9.1877	Polyester China (ITALY) 2.6385	Acrylic (ITALY) 0.8567	Polyamide (ITALY) 0.0685	Viscose generic (ITALY) 0.0857

Process Name	Material				
Total	175.40540000000001	50.3726	16.3548	1.3084	1.6354000000000002

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
Polyester China	ITALY	ITALY		0
Acrylic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Total				0

TWEED LIKE FABRIC - Cutting & Stitching

Process Name	Material				
Major cutting	Cotton generic (ITALY) 0.002	Polyester China (ITALY) 0.0006	Acrylic (ITALY) 0.0002	Polyamide (ITALY) 0	Viscose generic (ITALY) 0
Total	0.002	0.0006	0.0002	0	0

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
Polyester China	ITALY	ITALY		0
Acrylic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Total				0

TWEED LIKE FABRIC - Garment Manufacturing

Process Name	Material				
Garment dyeing (CO2e g)	Cotton generic (ITALY) 40.4181	Polyester China (ITALY) 11.6072	Acrylic (ITALY) 3.7686	Polyamide (ITALY) 0.3015	Viscose generic (ITALY) 0.3769
Finishing Emissions (CO2g)	Cotton generic (ITALY) 24.6452	Polyester China (ITALY) 7.0776	Acrylic (ITALY) 2.2979	Polyamide (ITALY) 0.1838	Viscose generic (ITALY) 0.2298
Laundry Emissions (CO2e g)	Cotton generic (ITALY) 24.6452	Polyester China (ITALY) 7.0776	Acrylic (ITALY) 2.2979	Polyamide (ITALY) 0.1838	Viscose generic (ITALY) 0.2298
Washing & Drying Emissions	Cotton generic (ITALY) 3.6146	Polyester China (ITALY) 1.038	Acrylic (ITALY) 0.337	Polyamide (ITALY) 0.027	Viscose generic (ITALY) 0.0337
Total	93.3231	26.8004000000000003	8.7014	0.6960999999999999	0.8702

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
Polyester China	ITALY	ITALY		0
Acrylic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	ITALY	0.2385	25

TWEED LIKE FABRIC - Fabric Production

Process Name	Material				
Heat Setting (CO2e g)	Cotton generic (ITALY) 0.0657	Polyester China (ITALY) 0.0189	Acrylic (ITALY) 0.0061	Polyamide (ITALY) 0.0005	Viscose generic (ITALY) 0.0006
Coating (CO2e g)	Cotton generic (ITALY) 0	Polyester China (ITALY) 0	Acrylic (ITALY) 0	Polyamide (ITALY) 0	Viscose generic (ITALY) 0
Bonding (CO2e g)	Cotton generic (ITALY) 0.1364	Polyester China (ITALY) 0.0392	Acrylic (ITALY) 0.0127	Polyamide (ITALY) 0.001	Viscose generic (ITALY) 0.0013
Weaving (CO2e g)	Cotton generic (ITALY) 62.4344	Polyester China (ITALY) 17.9299	Acrylic (ITALY) 5.8214	Polyamide (ITALY) 0.4657	Viscose generic (ITALY) 0.5821
Total	62.6365	17.988	5.840199999999999	0.4672	0.584

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
Polyester China	ITALY	ITALY		0
Acrylic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Total				0

TWEED LIKE FABRIC - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
Polyester China	ITALY	ITALY		0
Acrylic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Total				0

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

T-LOGO LINING - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	114.7525	1668.5007
Total	100%	14.54	114.75	1668.5

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

T-LOGO LINING - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 29.5715
Winding (CO2e g)	Viscose generic (CHINA) 68.0144
Sizing (CO2e g)	Viscose generic (CHINA) 1.4151
Ring Spinning (CO2e g)	Viscose generic (CHINA) 141.9431
Warping (CO2e g)	Viscose generic (CHINA) 4.8114
Roving (Co2e g)	Viscose generic (CHINA) 11.8286
Dyeing (CO2e g)	Viscose generic (CHINA) 36.793
Blowing (CO2e g)	Viscose generic (CHINA) 26.6143
Drawing (CO2e g)	Viscose generic (CHINA) 17.7429
Total	338.7343

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

T-LOGO LINING - 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

T-LOGO LINING - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (ITALY) 37.6859
Finishing Emissions (CO2g)	Viscose generic (ITALY) 22.9792
Laundry Emissions (CO2e g)	Viscose generic (ITALY) 22.9792
Washing & Drying Emissions	Viscose generic (ITALY) 3.3703
Total	87.01459999999999

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	ITALY	0.2385	25

T-LOGO LINING - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (ITALY) 0.0613
Coating (CO2e g)	Viscose generic (ITALY) 0
Bonding (CO2e g)	Viscose generic (ITALY) 0.1272
Weaving (CO2e g)	Viscose generic (ITALY) 58.2139
Total	58.4024

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

T-LOGO LINING - 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
Polyester China	ITALY	UNITED KINGDOM	AIR - 0	0
Acrylic	ITALY	UNITED KINGDOM	AIR - 0	0
Polyamide	ITALY	UNITED KINGDOM	AIR - 0	0
Viscose generic	ITALY	UNITED KINGDOM	AIR - 0	0

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Total				0

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