

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
SKIRTS	25AW-TDJ-54885	Women	5%

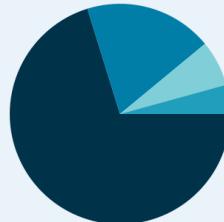
Property Name	Property Value	SQM
Length	knees	0.4761
Rise	regular	0
Shape	circle	324
EU SIZE	S woman	0.18141289437586086

Total Carbon Footprint

3.52 kg CO₂e

Estimated Offsetting Cost In EUR *

0.35 €



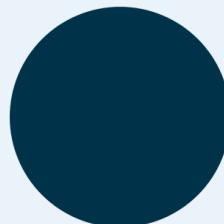
- Raw Material (70.17%)
- Yarn Production (18.79%)
- Fabric Production (6.71%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.27%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

2.47 kg CO₂e

Estimated Offsetting Cost In EUR *

0.25 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

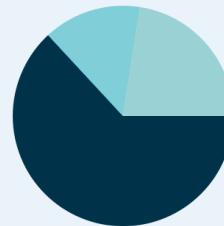
0 €

Process Carbon Footprint

1.05 kg CO₂e

Estimated Offsetting Cost In EUR *

0.11 €



- Yarn Production (62.99%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (14.32%)
- Fabric Production (22.49%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

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

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	1148.76	284.04	474.17
Yarn Production	0	227.23	331.92
Fabric Production	0	213.03	355.63
Garment Manufacturing	0	360.69	664.71
Total (Liters)	1148.76	1084.99	1826.43

Land Impact Summary	
Total Land Use (m2)	0.02

WOVEN COTTON - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	47%	3.1	69.284	214.7803
Cotton generic	53%	2.62	117.1931	307.046
Total	100%	5.72	186.48	521.83

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

WOVEN COTTON - Yarn Production

Process Name	Material		
Carding (CO2e g)	Polyester China (ITALY) 8.6205		Cotton generic (ITALY) 14.5814
Winding (CO2e g)	Polyester China (ITALY) 19.827		Cotton generic (ITALY) 33.5372
Sizing (CO2e g)	Polyester China (ITALY) 0.4125		Cotton generic (ITALY) 0.6978
Ring Spinning (CO2e g)	Polyester China (ITALY) 41.3782		Cotton generic (ITALY) 69.9907
Warping (CO2e g)	Polyester China (ITALY) 1.4026		Cotton generic (ITALY) 2.3725
Roving (Co2e g)	Polyester China (ITALY) 3.4482		Cotton generic (ITALY) 5.8326
Dyeing (CO2e g)	Polyester China (ITALY) 10.7256		Cotton generic (ITALY) 18.1423
Blowing (CO2e g)	Polyester China (ITALY) 7.7584		Cotton generic (ITALY) 13.1233
Drawing (CO2e g)	Polyester China (ITALY) 5.1723		Cotton generic (ITALY) 8.7488
Total	98.74530000000001		167.0266

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

WOVEN COTTON - Cutting & Stitching

Process Name	Material		
Major cutting	Polyester China (PORTUGAL) 0.0007		Cotton generic (PORTUGAL) 0.0012
Total	0.0007		0.0012

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	PORTUGAL	PORTUGAL		0
Cotton generic	PORTUGAL	PORTUGAL		0
Total				0

WOVEN COTTON - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Polyester China (PORTUGAL) 14.0612	Cotton generic (PORTUGAL) 23.7843	
Finishing Emissions (CO2g)	Polyester China (PORTUGAL) 8.5739	Cotton generic (PORTUGAL) 14.5026	
Laundry Emissions (CO2e g)	Polyester China (PORTUGAL) 8.5739	Cotton generic (PORTUGAL) 14.5026	
Washing & Drying Emissions	Polyester China (PORTUGAL) 1.2575	Cotton generic (PORTUGAL) 2.1271	
Total	32.4665	54.9166	

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	PORTUGAL	PORTUGAL		0
Cotton generic	PORTUGAL	PORTUGAL		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	PORTUGAL	0.2003	21

WOVEN COTTON - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Polyester China (ITALY) 0.037	Cotton generic (ITALY) 0.0626	
Coating (CO2e g)	Polyester China (ITALY) 0	Cotton generic (ITALY) 0	
Bonding (CO2e g)	Polyester China (ITALY) 0.0768	Cotton generic (ITALY) 0.1299	
Weaving (CO2e g)	Polyester China (ITALY) 35.1478	Cotton generic (ITALY) 59.4521	
Total	35.261599999999994	59.644600000000004	

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

WOVEN COTTON - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	PORTUGAL	PORTUGAL		0
Cotton generic	PORTUGAL	PORTUGAL		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	PORTUGAL	0.0257	1

T-LOGO LINING - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	134.0116	1948.5282
Total	100%	14.54	134.01	1948.53

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) 34.5345
Winding (CO2e g)	Viscose generic (CHINA) 79.4294
Sizing (CO2e g)	Viscose generic (CHINA) 1.6526
Ring Spinning (CO2e g)	Viscose generic (CHINA) 165.7657
Warping (CO2e g)	Viscose generic (CHINA) 5.6189
Roving (Co2e g)	Viscose generic (CHINA) 13.8138
Dyeing (CO2e g)	Viscose generic (CHINA) 42.968
Blowing (CO2e g)	Viscose generic (CHINA) 31.0811
Drawing (CO2e g)	Viscose generic (CHINA) 20.7207
Total	395.58470000000005

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

T-LOGO LINING - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (PORTUGAL) 0.0013
Total	0.0013

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

T-LOGO LINING - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (PORTUGAL) 27.1976
Finishing Emissions (CO2g)	Viscose generic (PORTUGAL) 16.5839
Laundry Emissions (CO2e g)	Viscose generic (PORTUGAL) 16.5839
Washing & Drying Emissions	Viscose generic (PORTUGAL) 2.4323
Total	62.7977

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	PORTUGAL	0.2003	21

T-LOGO LINING - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1482
Coating (CO2e g)	Viscose generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.3075
Weaving (CO2e g)	Viscose generic (CHINA) 140.806
Total	141.26170000000002

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

T-LOGO LINING - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	PORTUGAL	0.0257	1

Final Transportation

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	PORTUGAL	UNITED KINGDOM	AIR - 0	0
Cotton generic	PORTUGAL	UNITED KINGDOM	AIR - 0	0
Total				0

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