

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWAMT53739

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	slim	1.44
Sleeves	long	0.289
Neck	boat	-0.045
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

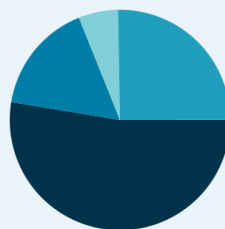
Property Name	Property Value	SQM
Length	long	0.69
Shape	tulle	484
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

1.05 kg CO₂e

Estimated Offsetting Cost In EUR *

0.11 €



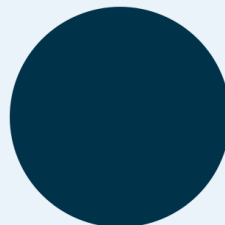
- Raw Material (52.38%)
- Yarn Production (16.24%)
- Fabric Production (5.80%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (25.15%)
- Finishing & Packaging (0.01%)

Raw Material Carbon Footprint

0.55 kg CO₂e

Estimated Offsetting Cost In EUR *

0.06 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

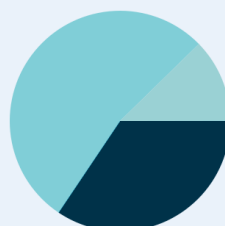
0 €

Process Carbon Footprint

0.5 kg CO₂e

Estimated Offsetting Cost In EUR *

0.05 €



- Yarn Production (34.11%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (52.81%)
- Fabric Production (12.18%)
- Finishing & Packaging (0.02%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
Polyamide	Raw Material	ITALY	Moderate Risk
Polyamide	Yarn Production	ITALY	Moderate Risk
Polyamide	Fabric Production	ITALY	Moderate Risk
Polyamide	Cutting & Stitching	INDIA	High Risk
Polyamide	Garment Manufacturing	INDIA	High Risk
Polyamide	Finishing & Packaging	INDIA	High Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	0	3.59	23.93
Yarn Production	0	2.87	16.75

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Fabric Production	0	2.75	17.95
Garment Manufacturing	0	5.62	65.81
Total (Liters)	0	14.83	124.44

Land Impact Summary	
Total Land Use (m2)	0

Polyamide - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyamide	100%	4.6	119.6543	550.4096
Total	100%	4.6	119.65	550.41

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	ITALY	ITALY		0
Total				0

Polyamide - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyamide (ITALY) 14.8876
Winding (CO2e g)	Polyamide (ITALY) 34.2415
Sizing (CO2e g)	Polyamide (ITALY) 0.7124
Ring Spinning (CO2e g)	Polyamide (ITALY) 71.4606
Warping (CO2e g)	Polyamide (ITALY) 2.4223
Roving (Co2e g)	Polyamide (ITALY) 5.955
Dyeing (CO2e g)	Polyamide (ITALY) 18.5233
Blowing (CO2e g)	Polyamide (ITALY) 13.3989
Drawing (CO2e g)	Polyamide (ITALY) 8.9326
Total	170.53420000000003

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	ITALY	ITALY		0
Total				0

Polyamide - Cutting & Stitching

Process Name	Material
Major cutting	Polyamide (INDIA) 0.0056
Total	0.0056

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	INDIA	INDIA		0
Total				0

Polyamide - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyamide (INDIA) 114.2076
Finishing Emissions (CO2g)	Polyamide (INDIA) 69.6388
Laundry Emissions (CO2e g)	Polyamide (INDIA) 69.6388
Washing & Drying Emissions	Polyamide (INDIA) 10.2137
Total	263.69890000000004

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.3339	35

Polyamide - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyamide (ITALY) 0.0639
Coating (CO2e g)	Polyamide (ITALY) 0
Bonding (CO2e g)	Polyamide (ITALY) 0.1326
Weaving (CO2e g)	Polyamide (ITALY) 60.7006
Total	60.8971

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

Polyamide - Finishing & Packaging

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

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