



Product Carbon Footprint Calculation Results

02/04/2025 - 15:45

Product	SKU
DRESSES	AMAYA DRESS

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	v neck	-0.016
EU SIZE	L woman	0.19897744204083448

Layer	Gender	Wastage Percentage
Skirts	Women	5%

Property Name	Property Value	SQM
Length	long	0.69
Shape	tulle	484
Rise	regular	0
EU SIZE	L woman	0.19897744204083448

External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyamide	100%	4.6	132.0153	607.2705
Total	100%	4.6	132.02	607.27

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

External - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyamide (ITALY) 16.4256
Winding (CO2e g)	Polyamide (ITALY) 37.7789
Sizing (CO2e g)	Polyamide (ITALY) 0.786
Ring Spinning (CO2e g)	Polyamide (ITALY) 78.8429
Warping (CO2e g)	Polyamide (ITALY) 2.6725
Roving (Co2e g)	Polyamide (ITALY) 6.5702
Yarn Production - Dyeing (CO2e g)	Polyamide (ITALY) 20.4368
Blowing (CO2e g)	Polyamide (ITALY) 14.7831
Drawing (CO2e g)	Polyamide (ITALY) 9.8554
Total	188.1514

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

External - Cutting & Stitching

Process Name	Material
Major cutting	Polyamide (INDIA) 0.0062
Total	0.0062

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

External - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyamide (ITALY) 0.0705
Weaving (CO2e g)	Polyamide (ITALY) 66.9714
Total	67.0419

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

External - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Polyamide (INDIA) 76.8329
Laundry Emissions (CO2e g)	Polyamide (INDIA) 76.8329
Washing & Drying Emissions	Polyamide (INDIA) 11.2688

Process Name	Material
Total	164.9346

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

Production Group	Process Name	Country	CO2e	Value
Addition	Paillettes (unit)	INDIA	0.112	150
Addition	Zip (cm)	INDIA	0.1908	20

External - 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

Fabric_2 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk generic	54%	52.5	124.7545	6549.6105
Viscose generic	40%	14.54	132.0153	1919.5029
Elastane generic	6%	10.7	39.6046	423.7692
Total	100%	77.74	296.37	8892.88

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

Fabric_2 - Yarn Production

Process Name	Material		
Carding (CO2e g)	Silk generic (CHINA) 32.149	Viscose generic (CHINA) 34.0201	Elastane generic (CHINA) 10.206
Winding (CO2e g)	Silk generic (CHINA) 73.9427	Viscose generic (CHINA) 78.2462	Elastane generic (CHINA) 23.4739
Sizing (CO2e g)	Silk generic (CHINA) 1.5385	Viscose generic (CHINA) 1.628	Elastane generic (CHINA) 0.4884
Ring Spinning (CO2e g)	Silk generic (CHINA) 154.3151	Viscose generic (CHINA) 163.2964	Elastane generic (CHINA) 48.9889
Warping (CO2e g)	Silk generic (CHINA) 5.2308	Viscose generic (CHINA) 5.5352	Elastane generic (CHINA) 1.6606

Process Name	Material		
Roving (Co2e g)	Silk generic (CHINA) 12.8596	Viscose generic (CHINA) 13.608	Elastane generic (CHINA) 4.0824
Yarn Production - Dyeing (CO2e g)	Silk generic (CHINA) 40	Viscose generic (CHINA) 42.328	Elastane generic (CHINA) 12.6984
Blowing (CO2e g)	Silk generic (CHINA) 28.9341	Viscose generic (CHINA) 30.6181	Elastane generic (CHINA) 9.1854
Drawing (CO2e g)	Silk generic (CHINA) 19.2894	Viscose generic (CHINA) 20.4121	Elastane generic (CHINA) 6.1236
Total	368.25919999999996	389.6921	116.9076

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

Fabric_2 - Cutting & Stitching

Process Name	Material		
Major cutting	Silk generic (INDIA) 0.0059	Viscose generic (INDIA) 0.0062	Elastane generic (INDIA) 0.0019
Total	0.0059	0.0062	0.0019

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	INDIA	INDIA		0
Viscose generic	INDIA	INDIA		0
Elastane generic	INDIA	INDIA		0
Total				0

Fabric_2 - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.138	Viscose generic (CHINA) 0.146	Elastane generic (CHINA) 0.0438
Weaving (CO2e g)	Silk generic (CHINA) 131.0795	Viscose generic (CHINA) 138.7085	Elastane generic (CHINA) 41.6126
Total	131.2175	138.85449999999997	41.6564

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

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

Fabric_2 - Garment Manufacturing

Process Name	Material		
Finishing Emissions (CO2g)	Silk generic (INDIA) 72.6071	Viscose generic (INDIA) 76.8329	Elastane generic (INDIA) 23.0499
Laundry Emissions (CO2e g)	Silk generic (INDIA) 72.6071	Viscose generic (INDIA) 76.8329	Elastane generic (INDIA) 23.0499
Washing & Drying Emissions	Silk generic (INDIA) 10.649	Viscose generic (INDIA) 11.2688	Elastane generic (INDIA) 3.3806
Total	155.8632	164.9346	49.4804

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	INDIA	INDIA		0
Viscose generic	INDIA	INDIA		0
Elastane generic	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Paillettes (unit)	INDIA	0.112	150
Addition	Zip (cm)	INDIA	0.1908	20

Fabric_2 - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	INDIA	INDIA		0
Viscose generic	INDIA	INDIA		0
Elastane generic	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

Fabric_3 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	330.0383	4798.7572
Total	100%	14.54	330.04	4798.76

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Total				0

Fabric_3 - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (INDIA) 119.3471
Winding (CO2e g)	Viscose generic (INDIA) 274.4984
Sizing (CO2e g)	Viscose generic (INDIA) 5.7112
Ring Spinning (CO2e g)	Viscose generic (INDIA) 572.8663
Warping (CO2e g)	Viscose generic (INDIA) 19.4182
Roving (Co2e g)	Viscose generic (INDIA) 47.7389
Yarn Production - Dyeing (CO2e g)	Viscose generic (INDIA) 148.4924
Blowing (CO2e g)	Viscose generic (INDIA) 107.4124
Drawing (CO2e g)	Viscose generic (INDIA) 71.6083
Total	1367.0932

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

Fabric_3 - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (INDIA) 0.0156
Total	0.0156

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

Fabric_3 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (INDIA) 0.5122
Weaving (CO2e g)	Viscose generic (INDIA) 486.6085
Total	487.1207

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

Fabric_3 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Viscose generic (INDIA) 192.0823

Process Name	Material
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 192.0823
Washing & Drying Emissions	Viscose generic (INDIA) 28.1721
Total	412.3367

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

Production Group	Process Name	Country	CO2e	Value
Addition	Paillettes (unit)	INDIA	0.112	150
Addition	Zip (cm)	INDIA	0.1908	20

Fabric_3 - 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

Fabric_4 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk generic	100%	52.5	231.0268	12128.9084
Total	100%	52.5	231.03	12128.91

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

Fabric_4 - Yarn Production

Process Name	Material
Carding (CO2e g)	Silk generic (CHINA) 59.5352
Winding (CO2e g)	Silk generic (CHINA) 136.9308
Sizing (CO2e g)	Silk generic (CHINA) 2.849
Ring Spinning (CO2e g)	Silk generic (CHINA) 285.7687
Warping (CO2e g)	Silk generic (CHINA) 9.6866
Roving (Co2e g)	Silk generic (CHINA) 23.8141
Yarn Production - Dyeing (CO2e g)	Silk generic (CHINA) 74.074
Blowing (CO2e g)	Silk generic (CHINA) 53.5816
Drawing (CO2e g)	Silk generic (CHINA) 35.7211
Total	681.9611

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

Fabric_4 - Cutting & Stitching

Process Name	Material
Major cutting	Silk generic (INDIA) 0.0109
Total	0.0109

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	INDIA	INDIA		0
Total				0

Fabric_4 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Silk generic (CHINA) 0.2555
Weaving (CO2e g)	Silk generic (CHINA) 242.7399
Total	242.99540000000002

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

Fabric_4 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Silk generic (INDIA) 134.4576
Laundry Emissions (CO2e g)	Silk generic (INDIA) 134.4576
Washing & Drying Emissions	Silk generic (INDIA) 19.7204
Total	288.6356

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Paillettes (unit)	INDIA	0.112	150
Addition	Zip (cm)	INDIA	0.1908	20

Fabric_4 - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

Final Transportation

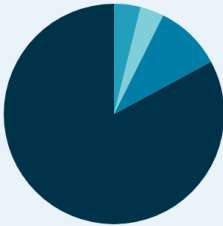
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	INDIA	UNITED KINGDOM	AIR - 0	0
Total				0

Total Carbon Footprint

31.89 kg CO₂e

Estimated Offsetting Cost In EUR *

3.19 €



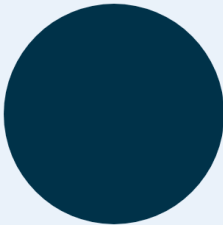
- Raw Material (82.88%)
- Yarn Production (9.76%)
- Fabric Production (3.48%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (3.88%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

26.43 kg CO₂e

Estimated Offsetting Cost In EUR *

2.64 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

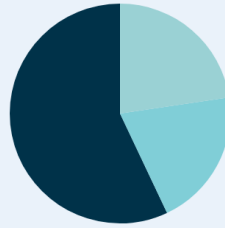
0 €

Process Carbon Footprint

5.46 kg CO₂e

Estimated Offsetting Cost In EUR *

0.55 €



- Yarn Production (57.00%)
- Cutting & Stitching (0.00%)
- Fabric Production (20.31%)
- Garment Manufacturing (22.65%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

The software tools and services provided by Edmond Climate Network SA (hereinafter referred to as "the Company") are designed to assist users in the calculation and optimization of the carbon footprint of products in the fashion industry. However, the results, data, and recommendations provided by our software are for informational purposes only, with a tolerance of +/-10% and are not intended to constitute professional advice.

By using our software, the user acknowledges and agrees that the Company shall not be held responsible or liable for any direct, indirect, incidental, consequential, or punitive damages, including but not limited to any loss of profits, data, or business interruptions, that may arise from the use, misuse, or reliance on any data or information generated by our tools.

Furthermore, it is the sole responsibility of the user to ensure the accuracy, completeness, and verifiability of all data entered into the Company's software. The Company is not liable for any errors, inaccuracies, or omissions in the input data provided by the user. The user is responsible for ensuring that the data provided for calculation is correct and up-to-date. The Company does not guarantee the accuracy, reliability, or completeness of the results generated from the software, which are contingent upon the input data provided by the user.

The user understands and agrees that the Company provides no warranties, express or implied, regarding the accuracy, applicability, or reliability of the results generated by the software and disclaims any responsibility for the consequences of decisions made based on such results.

By using the software, the user agrees to indemnify and hold harmless the Company, its officers, directors, employees, and agents from any claims, damages, or losses resulting from the misuse of the software or any failure by the user to input correct or verifiable data.

This disclaimer is subject to change without notice, and users are encouraged to review it regularly to stay informed of any updates.

