Product Carbon Footprint Calculation Results

02/04/2025 - 15:45

Product	SKU
DRESSES	BILBAO GOWN

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	slim	1.44
Sleeves	half	0.14
Neck	open back	-0.032
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	124.7762	573.9705
Total	**100%**	**4.6**	**124.78**	**573.97**

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) 15.5249
Winding (CO2e g)	Polyamide (ITALY) 35.7073
Sizing (CO2e g)	Polyamide (ITALY) 0.7429
Ring Spinning (CO2e g)	Polyamide (ITALY) 74.5195
Warping (CO2e g)	Polyamide (ITALY) 2.526
Roving (Co2e g)	Polyamide (ITALY) 6.21
Yarn Production - Dyeing (CO2e g)	Polyamide (ITALY) 19.3162
Blowing (CO2e g)	Polyamide (ITALY) 13.9724
Drawing (CO2e g)	Polyamide (ITALY) 9.3149
Total	**177.8341**

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) 0.0059
Total	**0.0059**

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) 0.0666
Weaving (CO2e g)	Polyamide (ITALY) 63.299
Total	**63.3656**

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) 72.6198
Laundry Emissions (CO2e g)	Polyamide (INDIA) 72.6198
Washing & Drying Emissions	Polyamide (INDIA) 10.6509

Process Name	Material
Total	**155.8905**

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	0.1908	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	117.9135	6190.4594
Viscose generic	40%	14.54	124.7762	1814.246
Elastane generic	6%	10.7	37.4329	400.5316
Total	**100%**	**77.74**	**280.12**	**8405.24**

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) 30.3861	Viscose generic (CHINA) 32.1546	Elastane generic (CHINA) 9.6464
Winding (CO2e g)	Silk generic (CHINA) 69.888	Viscose generic (CHINA) 73.9555	Elastane generic (CHINA) 22.1867
Sizing (CO2e g)	Silk generic (CHINA) 1.4541	Viscose generic (CHINA) 1.5387	Elastane generic (CHINA) 0.4616
Ring Spinning (CO2e g)	Silk generic (CHINA) 145.8532	Viscose generic (CHINA) 154.342	Elastane generic (CHINA) 46.3026
Warping (CO2e g)	Silk generic (CHINA) 4.9439	Viscose generic (CHINA) 5.2317	Elastane generic (CHINA) 1.5695
Roving (Co2e g)	Silk generic (CHINA) 12.1544	Viscose generic (CHINA) 12.8618	Elastane generic (CHINA) 3.8585

Process Name	Material		
Yarn Production - Dyeing (CO2e g)	Silk generic (CHINA) 37.8065	Viscose generic (CHINA) 40.0069	Elastane generic (CHINA) 12.0021
Blowing (CO2e g)	Silk generic (CHINA) 27.3475	Viscose generic (CHINA) 28.9391	Elastane generic (CHINA) 8.6817
Drawing (CO2e g)	Silk generic (CHINA) 18.2316	Viscose generic (CHINA) 19.2927	Elastane generic (CHINA) 5.7878
Total	**348.0653**	**368.3230000000001**	**110.49690000000001**

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) 0.0056	Viscose generic (INDIA) 0.0059	Elastane generic (INDIA) 0.0018
Total	**0.0056**	**0.0059**	**0.0018**

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) 0.1304	Viscose generic (CHINA) 0.138	Elastane generic (CHINA) 0.0414
Weaving (CO2e g)	Silk generic (CHINA) 123.8917	Viscose generic (CHINA) 131.1024	Elastane generic (CHINA) 39.3307
Total	**124.0221**	**131.2404**	**39.3721**

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
Elastane generic	CHINA	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Total				**0**

Fabric_2 - Garment Manufacturing

Process Name	Material		
Finishing Emissions (CO2g)	Silk generic (INDIA) 68.6257	Viscose generic (INDIA) 72.6198	Elastane generic (INDIA) 21.7859
Laundry Emissions (CO2e g)	Silk generic (INDIA) 68.6257	Viscose generic (INDIA) 72.6198	Elastane generic (INDIA) 21.7859
Washing & Drying Emissions	Silk generic (INDIA) 10.0651	Viscose generic (INDIA) 10.6509	Elastane generic (INDIA) 3.1953
Total	**147.3165**	**155.8905**	**46.767100000000006**

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	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

Final Transportation

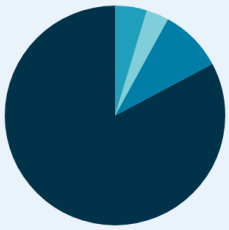
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	INDIA	UNITED KINGDOM	AIR - 0	0
Total				**0**

Total Carbon Footprint

10.85 kg CO_2e

Estimated Offsetting Cost In EUR *

1.08 €



- Raw Material (82.76%)
- Yarn Production (9.26%)
- Fabric Production (3.30%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.66%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

8.98 kg CO_2e

Estimated Offsetting Cost In EUR *

0.9 €

- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO_2e

Estimated Offsetting Cost In EUR *

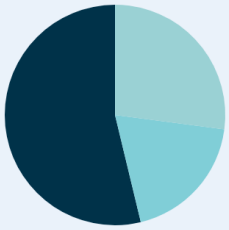
0 €

Process Carbon Footprint

1.87 kg CO_2e

Estimated Offsetting Cost In EUR *

0.19 €



- Yarn Production (53.73%)
- Cutting & Stitching (0.00%)
- Fabric Production (19.14%)
- Garment Manufacturing (27.06%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

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