Product Carbon Footprint Calculation Results

02/04/2025 - 15:45

Product	SKU
DRESSES	BILBAO TIE 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	korean	0.019
EU SIZE	L woman	0.19897744204083448

Layer	Gender	Wastage Percentage
Skirts	Women	5%

Property Name	Property Value	SQM
Length	calf	0.5658
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	116.1138	534.1236
Total	**100%**	**4.6**	**116.11**	**534.12**

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) 14.4471
Winding (CO2e g)	Polyamide (ITALY) 33.2284
Sizing (CO2e g)	Polyamide (ITALY) 0.6914
Ring Spinning (CO2e g)	Polyamide (ITALY) 69.3461
Warping (CO2e g)	Polyamide (ITALY) 2.3506
Roving (Co2e g)	Polyamide (ITALY) 5.7788
Yarn Production - Dyeing (CO2e g)	Polyamide (ITALY) 17.9752
Blowing (CO2e g)	Polyamide (ITALY) 13.0024
Drawing (CO2e g)	Polyamide (ITALY) 8.6683
Total	**165.4883**

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) 0.0055
Total	**0.0055**

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) 0.062
Weaving (CO2e g)	Polyamide (ITALY) 58.9045
Total	**58.966499999999996**

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) 67.5782
Laundry Emissions (CO2e g)	Polyamide (INDIA) 67.5782
Washing & Drying Emissions	Polyamide (INDIA) 9.9115

Process Name	Material
Total	**145.06789999999998**

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	109.7276	5760.697
Viscose generic	40%	14.54	116.1138	1688.295
Elastane generic	6%	10.7	34.8341	372.7254
Total	**100%**	**77.74**	**260.68**	**7821.72**

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) 28.2766	Viscose generic (CHINA) 29.9223	Elastane generic (CHINA) 8.9767
Winding (CO2e g)	Silk generic (CHINA) 65.0361	Viscose generic (CHINA) 68.8213	Elastane generic (CHINA) 20.6464
Sizing (CO2e g)	Silk generic (CHINA) 1.3531	Viscose generic (CHINA) 1.4319	Elastane generic (CHINA) 0.4296
Ring Spinning (CO2e g)	Silk generic (CHINA) 135.7276	Viscose generic (CHINA) 143.627	Elastane generic (CHINA) 43.0881
Warping (CO2e g)	Silk generic (CHINA) 4.6007	Viscose generic (CHINA) 4.8685	Elastane generic (CHINA) 1.4605
Roving (Co2e g)	Silk generic (CHINA) 11.3106	Viscose generic (CHINA) 11.9689	Elastane generic (CHINA) 3.5907

Process Name	Material		
Yarn Production - Dyeing (CO2e g)	Silk generic (CHINA) 35.1819	Viscose generic (CHINA) 37.2295	Elastane generic (CHINA) 11.1689
Blowing (CO2e g)	Silk generic (CHINA) 25.4489	Viscose generic (CHINA) 26.9301	Elastane generic (CHINA) 8.079
Drawing (CO2e g)	Silk generic (CHINA) 16.9659	Viscose generic (CHINA) 17.9534	Elastane generic (CHINA) 5.386
Total	**323.9013999999999**	**342.7529**	**102.82589999999999**

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) 0.0052	Viscose generic (INDIA) 0.0055	Elastane generic (INDIA) 0.0016
Total	**0.0052**	**0.0055**	**0.0016**

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) 0.1214	Viscose generic (CHINA) 0.1284	Elastane generic (CHINA) 0.0385
Weaving (CO2e g)	Silk generic (CHINA) 115.2907	Viscose generic (CHINA) 122.0008	Elastane generic (CHINA) 36.6002
Total	**115.4121**	**122.1292**	**36.6387**

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) 63.8614	Viscose generic (INDIA) 67.5782	Elastane generic (INDIA) 20.2735
Laundry Emissions (CO2e g)	Silk generic (INDIA) 63.8614	Viscose generic (INDIA) 67.5782	Elastane generic (INDIA) 20.2735
Washing & Drying Emissions	Silk generic (INDIA) 9.3663	Viscose generic (INDIA) 9.9115	Elastane generic (INDIA) 2.9734
Total	**137.0891**	**145.06789999999998**	**43.520399999999995**

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

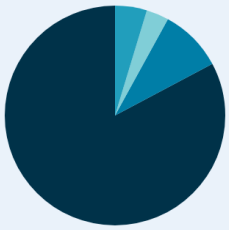
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	INDIA	UNITED KINGDOM	AIR - 0	0
Total				**0**

Total Carbon Footprint

10.1 kg CO_2e

Estimated Offsetting Cost In EUR *

1.01 €



- Raw Material (82.77%)
- Yarn Production (9.26%)
- Fabric Production (3.30%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.66%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

8.36 kg CO_2e

Estimated Offsetting Cost In EUR *

0.84 €

- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO_2e

Estimated Offsetting Cost In EUR *

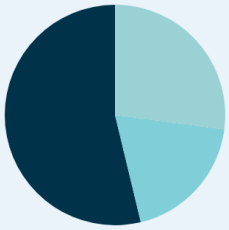
0 €

Process Carbon Footprint

1.74 kg CO_2e

Estimated Offsetting Cost In EUR *

0.17 €



- Yarn Production (53.73%)
- Cutting & Stitching (0.00%)
- Fabric Production (19.15%)
- Garment Manufacturing (27.07%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

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