



Product Carbon Footprint Calculation Results

02/04/2025 - 15:45

Product	SKU
DRESSES	FRANKEL STRAPPY DRESS

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	slim	1.44
Sleeves	no sleeves	0
Neck	off shoulder	-0.095
EU SIZE	L woman	0.19897744204083448

Layer	Gender	Wastage Percentage
Skirts	Women	5%

Property Name	Property Value	SQM
Length	calf	0.5658
Shape	circle	324
Rise	regular	0
EU SIZE	L woman	0.19897744204083448

External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester generic	62%	2.8	150.8982	422.515
Polyamide	23%	4.6	20.3558	93.6366
Metallic fiber	15%	21.1	132.755	2801.1313
Total	100%	28.5	304.01	3317.28

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Metallic fiber	ITALY	ITALY		0
Total				0

External - Yarn Production

Process Name	Material		
Carding (CO2e g)	Polyester generic (ITALY) 18.7751	Polyamide (ITALY) 2.5327	Metallic fiber (ITALY) 16.5176
Winding (CO2e g)	Polyester generic (ITALY) 43.1826	Polyamide (ITALY) 5.8252	Metallic fiber (ITALY) 37.9906
Sizing (CO2e g)	Polyester generic (ITALY) 0.8985	Polyamide (ITALY) 0.1212	Metallic fiber (ITALY) 0.7904
Ring Spinning (CO2e g)	Polyester generic (ITALY) 90.1203	Polyamide (ITALY) 12.157	Metallic fiber (ITALY) 79.2847
Warping (CO2e g)	Polyester generic (ITALY) 3.0548	Polyamide (ITALY) 0.4121	Metallic fiber (ITALY) 2.6875
Roving (Co2e g)	Polyester generic (ITALY) 7.51	Polyamide (ITALY) 1.0131	Metallic fiber (ITALY) 6.6071
Yarn Production - Dyeing (CO2e g)	Polyester generic (ITALY) 23.36	Polyamide (ITALY) 3.1512	Metallic fiber (ITALY) 20.5514
Blowing (CO2e g)	Polyester generic (ITALY) 16.8976	Polyamide (ITALY) 2.2794	Metallic fiber (ITALY) 14.8659
Drawing (CO2e g)	Polyester generic (ITALY) 11.265	Polyamide (ITALY) 1.5196	Metallic fiber (ITALY) 9.9106
Total	215.0639	29.011499999999998	189.2058

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Metallic fiber	ITALY	ITALY		0
Total				0

External - Cutting & Stitching

Process Name	Material		
Major cutting	Polyester generic (ITALY) 0.0024	Polyamide (ITALY) 0.0003	Metallic fiber (ITALY) 0.0022
Total	0.0024	0.0003	0.0022

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Metallic fiber	ITALY	ITALY		0
Total				0

External - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Polyester generic (ITALY) 0.0806	Polyamide (ITALY) 0.0109	Metallic fiber (ITALY) 0.0709
Weaving (CO2e g)	Polyester generic (ITALY) 76.5507	Polyamide (ITALY) 10.3265	Metallic fiber (ITALY) 67.3466
Total	76.63130000000001	10.337399999999999	67.41749999999999

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Metallic fiber	ITALY	ITALY		0
Total				0

External - Garment Manufacturing

Process Name	Material		
Finishing Emissions (CO2g)	Polyester generic (ITALY) 30.2174	Polyamide (ITALY) 4.0762	Metallic fiber (ITALY) 26.5842
Laundry Emissions (CO2e g)	Polyester generic (ITALY) 30.2174	Polyamide (ITALY) 4.0762	Metallic fiber (ITALY) 26.5842
Washing & Drying Emissions	Polyester generic (ITALY) 4.4319	Polyamide (ITALY) 0.5978	Metallic fiber (ITALY) 3.899
Total	64.86670000000001	8.7502	57.0674

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Metallic fiber	ITALY	ITALY		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	ITALY	0.1908	20

External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	ITALY	ITALY		0
Polyamide	ITALY	ITALY		0
Metallic fiber	ITALY	ITALY		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	ITALY	0.0416	1

Fabric_2 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	70%	14.54	154.8809	2251.9679
Silk generic	30%	52.5	46.4643	2439.3738
Total	100%	67.04	201.35	4691.34

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

Fabric_2 - Yarn Production

Process Name	Material	
Carding (CO2e g)	Viscose generic (CHINA) 39.9125	Silk generic (CHINA) 11.9737
Winding (CO2e g)	Viscose generic (CHINA) 91.7987	Silk generic (CHINA) 27.5396
Sizing (CO2e g)	Viscose generic (CHINA) 1.91	Silk generic (CHINA) 0.573
Ring Spinning (CO2e g)	Viscose generic (CHINA) 191.58	Silk generic (CHINA) 57.474
Warping (CO2e g)	Viscose generic (CHINA) 6.4939	Silk generic (CHINA) 1.9482
Roving (Co2e g)	Viscose generic (CHINA) 15.965	Silk generic (CHINA) 4.7895
Yarn Production - Dyeing (CO2e g)	Viscose generic (CHINA) 49.6594	Silk generic (CHINA) 14.8978
Blowing (CO2e g)	Viscose generic (CHINA) 35.9212	Silk generic (CHINA) 10.7764
Drawing (CO2e g)	Viscose generic (CHINA) 23.9475	Silk generic (CHINA) 7.1842
Total	457.18819999999994	137.15640000000002

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

Fabric_2 - Cutting & Stitching

Process Name	Material	
Major cutting	Viscose generic (ITALY) 0.0025	Silk generic (ITALY) 0.0008
Total	0.0025	0.0008

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

Fabric_2 - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1713	Silk generic (CHINA) 0.0514
Weaving (CO2e g)	Viscose generic (CHINA) 162.7333	Silk generic (CHINA) 48.82

Process Name	Material	
Total	162.90460000000002	48.8714

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

Fabric_2 - Garment Manufacturing

Process Name	Material	
Finishing Emissions (CO2g)	Viscose generic (ITALY) 31.0149	Silk generic (ITALY) 9.3045
Laundry Emissions (CO2e g)	Viscose generic (ITALY) 31.0149	Silk generic (ITALY) 9.3045
Washing & Drying Emissions	Viscose generic (ITALY) 4.5489	Silk generic (ITALY) 1.3647
Total	66.5787	19.9737

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	ITALY	0.1908	20

Fabric_2 - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	ITALY	0.0416	1

Final Transportation

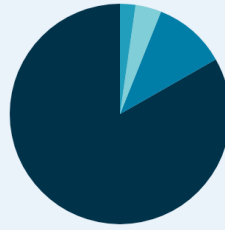
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	ITALY	UNITED KINGDOM	AIR - 0	0
Polyamide	ITALY	UNITED KINGDOM	AIR - 0	0
Metallic fiber	ITALY	UNITED KINGDOM	AIR - 0	0
Total				0

Total Carbon Footprint

9.62 kg CO₂e

Estimated Offsetting Cost In EUR *

0.96 €



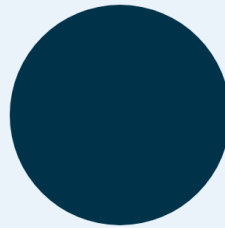
- Raw Material (83.26%)
- Yarn Production (10.68%)
- Fabric Production (3.81%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (2.26%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

8.01 kg CO₂e

Estimated Offsetting Cost In EUR *

0.8 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

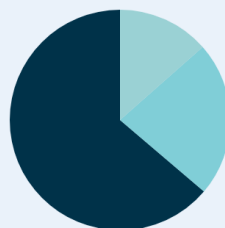
0 €

Process Carbon Footprint

1.61 kg CO₂e

Estimated Offsetting Cost In EUR *

0.16 €



- Yarn Production (63.83%)
- Cutting & Stitching (0.00%)
- Fabric Production (22.74%)
- Garment Manufacturing (13.50%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

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