



Product Carbon Footprint Calculation Results

02/04/2025 - 15:45

Product	SKU
DRESSES	CASA 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	tube straight	0
Rise	regular	0
EU SIZE	L woman	0.19897744204083448

External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	153.7546	2235.5925
Total	100%	14.54	153.75	2235.59

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

External - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (INDIA) 55.6001
Winding (CO2e g)	Viscose generic (INDIA) 127.8803
Sizing (CO2e g)	Viscose generic (INDIA) 2.6607
Ring Spinning (CO2e g)	Viscose generic (INDIA) 266.8807
Warping (CO2e g)	Viscose generic (INDIA) 9.0464
Roving (Co2e g)	Viscose generic (INDIA) 22.2401
Yarn Production - Dyeing (CO2e g)	Viscose generic (INDIA) 69.178
Blowing (CO2e g)	Viscose generic (INDIA) 50.0401
Drawing (CO2e g)	Viscose generic (INDIA) 33.3601
Total	636.8865000000001

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

External - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (INDIA) 0.0073
Total	0.0073

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

External - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (INDIA) 0.2386
Weaving (CO2e g)	Viscose generic (INDIA) 226.6958
Total	226.93439999999998

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

External - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Viscose generic (INDIA) 89.4852
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 89.4852
Washing & Drying Emissions	Viscose generic (INDIA) 13.1245
Total	192.09490000000002

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	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
Viscose generic	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	58.1193	3051.2609
Viscose generic	40%	14.54	61.5019	894.237
Elastane generic	6%	10.7	18.4506	197.421
Total	100%	77.74	138.07	4142.92

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) 14.9772	Viscose generic (CHINA) 15.8489	Elastane generic (CHINA) 4.7547	
Winding (CO2e g)	Silk generic (CHINA) 34.4476	Viscose generic (CHINA) 36.4525	Elastane generic (CHINA) 10.9357	
Sizing (CO2e g)	Silk generic (CHINA) 0.7167	Viscose generic (CHINA) 0.7584	Elastane generic (CHINA) 0.2275	
Ring Spinning (CO2e g)	Silk generic (CHINA) 71.8906	Viscose generic (CHINA) 76.0747	Elastane generic (CHINA) 22.8224	
Warping (CO2e g)	Silk generic (CHINA) 2.4369	Viscose generic (CHINA) 2.5787	Elastane generic (CHINA) 0.7736	
Roving (Co2e g)	Silk generic (CHINA) 5.9909	Viscose generic (CHINA) 6.3396	Elastane generic (CHINA) 1.9019	
Yarn Production - Dyeing (CO2e g)	Silk generic (CHINA) 18.6347	Viscose generic (CHINA) 19.7193	Elastane generic (CHINA) 5.9158	

Process Name	Material		
Blowing (CO2e g)	Silk generic (CHINA) 13.4795	Viscose generic (CHINA) 14.264	Elastane generic (CHINA) 4.2792
Drawing (CO2e g)	Silk generic (CHINA) 8.9863	Viscose generic (CHINA) 9.5093	Elastane generic (CHINA) 2.8528
Total	171.56040000000002	181.5454	54.4636

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) 0.0027	Viscose generic (INDIA) 0.0029	Elastane generic (INDIA) 0.0009
Total	0.0027	0.0029	0.0009

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) 0.0643	Viscose generic (CHINA) 0.068	Elastane generic (CHINA) 0.0204
Weaving (CO2e g)	Silk generic (CHINA) 61.0659	Viscose generic (CHINA) 64.62	Elastane generic (CHINA) 19.386
Total	61.1302	64.688	19.406399999999998

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
Total				0

Fabric_2 - Garment Manufacturing

Process Name	Material		
Finishing Emissions (CO2g)	Silk generic (INDIA) 33.8254	Viscose generic (INDIA) 35.7941	Elastane generic (INDIA) 10.7382
Laundry Emissions (CO2e g)	Silk generic (INDIA) 33.8254	Viscose generic (INDIA) 35.7941	Elastane generic (INDIA) 10.7382
Washing & Drying Emissions	Silk generic (INDIA) 4.9611	Viscose generic (INDIA) 5.2498	Elastane generic (INDIA) 1.5749
Total	72.6119	76.838	23.0513

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

Fabric_3 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk generic	100%	52.5	107.6283	5650.4831
Total	100%	52.5	107.63	5650.48

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

Fabric_3 - Yarn Production

Process Name	Material
Carding (CO2e g)	Silk generic (CHINA) 27.7356
Winding (CO2e g)	Silk generic (CHINA) 63.7918
Sizing (CO2e g)	Silk generic (CHINA) 1.3273

Process Name	Material
Ring Spinning (CO2e g)	Silk generic (CHINA) 133.1308
Warping (CO2e g)	Silk generic (CHINA) 4.5127
Roving (Co2e g)	Silk generic (CHINA) 11.0942
Yarn Production - Dyeing (CO2e g)	Silk generic (CHINA) 34.5088
Blowing (CO2e g)	Silk generic (CHINA) 24.962
Drawing (CO2e g)	Silk generic (CHINA) 16.6414
Total	317.70459999999997

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

Fabric_3 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Silk generic (CHINA) 0.119
Weaving (CO2e g)	Silk generic (CHINA) 113.085
Total	113.204

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

Fabric_3 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Silk generic (INDIA) 62.6396
Laundry Emissions (CO2e g)	Silk generic (INDIA) 62.6396
Washing & Drying Emissions	Silk generic (INDIA) 9.1871
Total	134.4663

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

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

Fabric_3 - Finishing & Packaging

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Total				0

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

Final Transportation

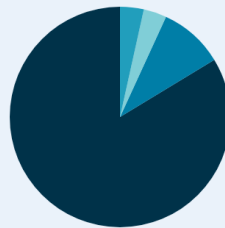
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	UNITED KINGDOM	AIR - 0	0
Total				0

Total Carbon Footprint

14.38 kg CO₂e

Estimated Offsetting Cost In EUR *

1.44 €



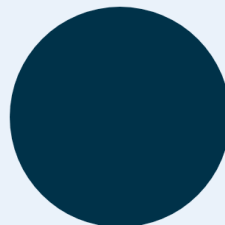
- Raw Material (83.66%)
- Yarn Production (9.47%)
- Fabric Production (3.38%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (3.47%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

12.03 kg CO₂e

Estimated Offsetting Cost In EUR *

1.2 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

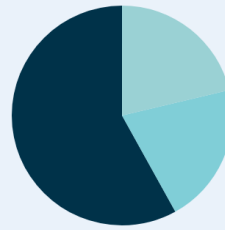
0 €

Process Carbon Footprint

2.35 kg CO₂e

Estimated Offsetting Cost In EUR *

0.24 €



- Yarn Production (57.96%)
- Cutting & Stitching (0.00%)
- Fabric Production (20.65%)
- Garment Manufacturing (21.24%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

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