



Product Carbon Footprint Calculation Results

02/04/2025 - 15:45

Product	SKU
DRESSES	SOFIA SLEEVED DRESS

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	long	0.69
Fit	slim	1.44
Sleeves	half	0.14
Neck	deep v neck	-0.029
EU SIZE	L woman	0.19897744204083448

Layer	Gender	Wastage Percentage
Skirts	Women	5%

Property Name	Property Value	SQM
Length	long	0.69
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	67%	14.54	103.4859	1504.6855
Acetate	33%	38	86.6502	3292.7062
Total	100%	52.54	190.14	4797.39

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

External - Yarn Production

Process Name	Material	
Carding (CO2e g)	Viscose generic (CHINA) 26.6681	Acetate (CHINA) 22.3296
Winding (CO2e g)	Viscose generic (CHINA) 61.3367	Acetate (CHINA) 51.358
Sizing (CO2e g)	Viscose generic (CHINA) 1.2762	Acetate (CHINA) 1.0686
Ring Spinning (CO2e g)	Viscose generic (CHINA) 128.007	Acetate (CHINA) 107.182
Warping (CO2e g)	Viscose generic (CHINA) 4.339	Acetate (CHINA) 3.6331
Roving (Co2e g)	Viscose generic (CHINA) 10.6672	Acetate (CHINA) 8.9318
Yarn Production - Dyeing (CO2e g)	Viscose generic (CHINA) 33.1806	Acetate (CHINA) 27.7826
Blowing (CO2e g)	Viscose generic (CHINA) 24.0013	Acetate (CHINA) 20.0966
Drawing (CO2e g)	Viscose generic (CHINA) 16.0009	Acetate (CHINA) 13.3977
Total	305.47700000000003	255.78000000000003

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

External - Cutting & Stitching

Process Name	Material	
Major cutting	Viscose generic (INDIA) 0.0049	Acetate (INDIA) 0.0041
Total	0.0049	0.0041

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

External - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1145	Acetate (CHINA) 0.0958
Weaving (CO2e g)	Viscose generic (CHINA) 108.7327	Acetate (CHINA) 91.0433
Total	108.8472	91.1391

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

External - Garment Manufacturing

Process Name	Material	
Finishing Emissions (CO2g)	Viscose generic (INDIA) 60.2288	Acetate (INDIA) 50.4304
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 60.2288	Acetate (INDIA) 50.4304
Washing & Drying Emissions	Viscose generic (INDIA) 8.8336	Acetate (INDIA) 7.3965
Total	129.2912	108.2573

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.1908	20
Addition	Swarovski (10grams/unit)	INDIA	0.1483	2

External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	INDIA		0
Acetate	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	58.3846	3065.1916
Viscose generic	40%	14.54	61.7826	898.3197
Elastane generic	6%	10.7	18.5348	198.3223
Total	100%	77.74	138.7	4161.83

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) 15.0456	Viscose generic (CHINA) 15.9213	Elastane generic (CHINA) 4.7764

Process Name	Material		
Winding (CO2e g)	Silk generic (CHINA) 34.6049	Viscose generic (CHINA) 36.6189	Elastane generic (CHINA) 10.9857
Sizing (CO2e g)	Silk generic (CHINA) 0.72	Viscose generic (CHINA) 0.7619	Elastane generic (CHINA) 0.2286
Ring Spinning (CO2e g)	Silk generic (CHINA) 72.2189	Viscose generic (CHINA) 76.4221	Elastane generic (CHINA) 22.9266
Warping (CO2e g)	Silk generic (CHINA) 2.448	Viscose generic (CHINA) 2.5905	Elastane generic (CHINA) 0.7771
Roving (Co2e g)	Silk generic (CHINA) 6.0182	Viscose generic (CHINA) 6.3685	Elastane generic (CHINA) 1.9106
Yarn Production - Dyeing (CO2e g)	Silk generic (CHINA) 18.7198	Viscose generic (CHINA) 19.8093	Elastane generic (CHINA) 5.9428
Blowing (CO2e g)	Silk generic (CHINA) 13.541	Viscose generic (CHINA) 14.3291	Elastane generic (CHINA) 4.2987
Drawing (CO2e g)	Silk generic (CHINA) 9.0274	Viscose generic (CHINA) 9.5528	Elastane generic (CHINA) 2.8658
Total	172.3438	182.3744	54.71229999999999

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) 0.0028	Viscose generic (INDIA) 0.0029	Elastane generic (INDIA) 0.0009
Total	0.0028	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) 0.0646	Viscose generic (CHINA) 0.0683	Elastane generic (CHINA) 0.0205
Weaving (CO2e g)	Silk generic (CHINA) 61.3447	Viscose generic (CHINA) 64.915	Elastane generic (CHINA) 19.4745
Total	61.4093	64.9833	19.494999999999997

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) 33.9798	Viscose generic (INDIA) 35.9575	Elastane generic (INDIA) 10.7873
Laundry Emissions (CO2e g)	Silk generic (INDIA) 33.9798	Viscose generic (INDIA) 35.9575	Elastane generic (INDIA) 10.7873
Washing & Drying Emissions	Silk generic (INDIA) 4.9837	Viscose generic (INDIA) 5.2738	Elastane generic (INDIA) 1.5821
Total	72.9433	77.1888	23.1567

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
Addition	Swarovski (10grams/unit)	INDIA	0.1483	2

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	154.4566	2245.7992
Total	100%	14.54	154.46	2245.8

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

Fabric_3 - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 39.8032
Winding (CO2e g)	Viscose generic (CHINA) 91.5473
Sizing (CO2e g)	Viscose generic (CHINA) 1.9047
Ring Spinning (CO2e g)	Viscose generic (CHINA) 191.0552
Warping (CO2e g)	Viscose generic (CHINA) 6.4761
Roving (Co2e g)	Viscose generic (CHINA) 15.9213
Yarn Production - Dyeing (CO2e g)	Viscose generic (CHINA) 49.5233
Blowing (CO2e g)	Viscose generic (CHINA) 35.8228
Drawing (CO2e g)	Viscose generic (CHINA) 23.8819
Total	455.9358

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

Fabric_3 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1708
Weaving (CO2e g)	Viscose generic (CHINA) 162.2876
Total	162.4584

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

Fabric_3 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Viscose generic (INDIA) 89.8938
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 89.8938
Washing & Drying Emissions	Viscose generic (INDIA) 13.1844

Process Name	Material
Total	192.972

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
Addition	Swarovski (10grams/unit)	INDIA	0.1483	2

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

Final Transportation

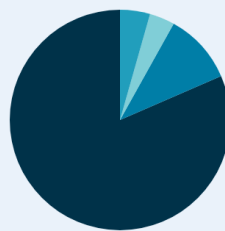
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	UNITED KINGDOM	AIR - 0	0
Acetate	INDIA	UNITED KINGDOM	AIR - 0	0
Total				0

Total Carbon Footprint

13.75 kg CO₂e

Estimated Offsetting Cost In EUR *

1.38 €



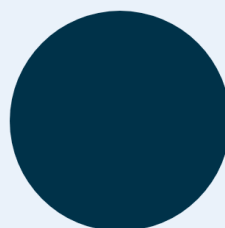
- Raw Material (81.53%)
- Yarn Production (10.38%)
- Fabric Production (3.70%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.39%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

11.21 kg CO₂e

Estimated Offsetting Cost In EUR *

1.12 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

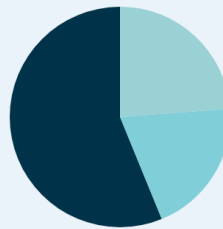
0 €

Process Carbon Footprint

2.54 kg CO₂e

Estimated Offsetting Cost In EUR *

0.25 €



- Yarn Production (56.17%)
- Cutting & Stitching (0.00%)
- Fabric Production (20.01%)
- Garment Manufacturing (23.79%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

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