Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWETO54838

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	regular	0
Sleeves	long	0.289
Neck	v neck	-0.016
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

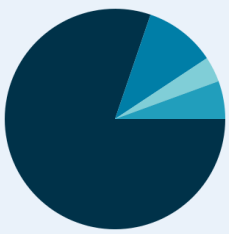
Property Name	Property Value	SQM
Length	calf	0.5658
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

26.35 kg CO_2e

Estimated Offsetting Cost In EUR *

2.64 €



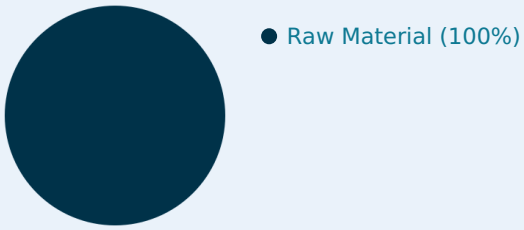
- Raw Material (80.23%)
- Yarn Production (10.47%)
- Fabric Production (3.74%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (5.57%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

21.14 kg CO_2e

Estimated Offsetting Cost In EUR *

2.11 €



Transportation Carbon Footprint

0 kg CO_2e

Estimated Offsetting Cost In EUR *

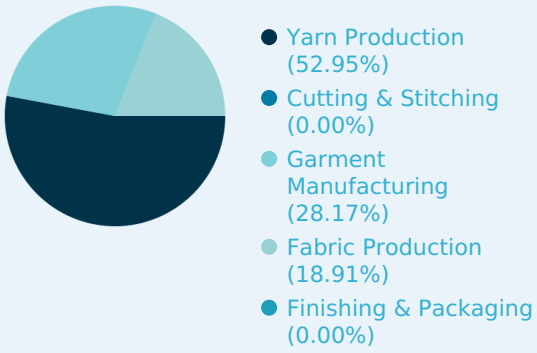
0 €

Process Carbon Footprint

5.21 kg CO_2e

Estimated Offsetting Cost In EUR *

0.52 €



* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
Viscose Georgette	Raw Material	INDIA	High Risk
Viscose Georgette	Yarn Production	INDIA	High Risk
Viscose Georgette	Fabric Production	INDIA	High Risk
Viscose Georgette	Cutting & Stitching	INDIA	High Risk
Viscose Georgette	Garment Manufacturing	INDIA	High Risk
Viscose Georgette	Finishing & Packaging	INDIA	High Risk
VISCOSE GEORGETTE	Raw Material	INDIA	High Risk
VISCOSE GEORGETTE	Yarn Production	INDIA	High Risk
VISCOSE GEORGETTE	Fabric Production	INDIA	High Risk
VISCOSE GEORGETTE	Cutting & Stitching	INDIA	High Risk
VISCOSE GEORGETTE	Garment Manufacturing	INDIA	High Risk

Layer	Production Phase	Country	Country Risk / Provider
VISCOSE GEORGETTE	Finishing & Packaging	INDIA	High Risk
Silk Satin	Raw Material	INDIA	High Risk
Silk Satin	Yarn Production	INDIA	High Risk
Silk Satin	Fabric Production	INDIA	High Risk
Silk Satin	Cutting & Stitching	INDIA	High Risk
Silk Satin	Garment Manufacturing	INDIA	High Risk
Silk Satin	Finishing & Packaging	INDIA	High Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	7338.15	826.31	3218.92
Yarn Production	0	661.05	2253.24
Fabric Production	0	619.73	2414.19
Garment Manufacturing	0	1086.54	4259.21
Total (Liters)	**7338.15**	**3193.63**	**12145.56**

Land Impact Summary	
Total Land Use (m2)	**0.03**

Viscose Georgette - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	246.6604	3586.4427
Total	**100%**	**14.54**	**246.66**	**3586.44**

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

Viscose Georgette - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (INDIA) 89.1964
Winding (CO2e g)	Viscose generic (INDIA) 205.1516
Sizing (CO2e g)	Viscose generic (INDIA) 4.2684
Ring Spinning (CO2e g)	Viscose generic (INDIA) 428.1425
Warping (CO2e g)	Viscose generic (INDIA) 14.5126
Roving (Co2e g)	Viscose generic (INDIA) 35.6785
Dyeing (CO2e g)	Viscose generic (INDIA) 110.9786
Blowing (CO2e g)	Viscose generic (INDIA) 80.2767
Drawing (CO2e g)	Viscose generic (INDIA) 53.5178
Total	**1021.7231**

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

Viscose Georgette - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (INDIA) 0.0116
Total	**0.0116**

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

Viscose Georgette - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (INDIA) 235.4325
Finishing Emissions (CO2g)	Viscose generic (INDIA) 143.5564
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 143.5564
Washing & Drying Emissions	Viscose generic (INDIA) 21.0549
Total	**543.6002**

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

Viscose Georgette - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (INDIA) 0.3828
Coating (CO2e g)	Viscose generic (INDIA) 0
Bonding (CO2e g)	Viscose generic (INDIA) 0.7943
Weaving (CO2e g)	Viscose generic (INDIA) 363.6761
Total	**364.8532**

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

Viscose Georgette - 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

VISCOSE GEORGETTE - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	246.6604	3586.4427
Total	**100%**	**14.54**	**246.66**	**3586.44**

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

VISCOSE GEORGETTE - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (INDIA) 89.1964
Winding (CO2e g)	Viscose generic (INDIA) 205.1516
Sizing (CO2e g)	Viscose generic (INDIA) 4.2684
Ring Spinning (CO2e g)	Viscose generic (INDIA) 428.1425
Warping (CO2e g)	Viscose generic (INDIA) 14.5126
Roving (Co2e g)	Viscose generic (INDIA) 35.6785
Dyeing (CO2e g)	Viscose generic (INDIA) 110.9786
Blowing (CO2e g)	Viscose generic (INDIA) 80.2767
Drawing (CO2e g)	Viscose generic (INDIA) 53.5178
Total	**1021.7231**

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

VISCOSE GEORGETTE - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (INDIA) 0.0116
Total	**0.0116**

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

VISCOSE GEORGETTE - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (INDIA) 235.4325
Finishing Emissions (CO2g)	Viscose generic (INDIA) 143.5564

Process Name	Material
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 143.5564
Washing & Drying Emissions	Viscose generic (INDIA) 21.0549
Total	**543.6002**

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

VISCOSE GEORGETTE - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (INDIA) 0.3828
Coating (CO2e g)	Viscose generic (INDIA) 0
Bonding (CO2e g)	Viscose generic (INDIA) 0.7943
Weaving (CO2e g)	Viscose generic (INDIA) 363.6761
Total	**364.8532**

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

VISCOSE GEORGETTE - 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

Silk Satin - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk India	100%	80.9	172.6623	13968.3804
Total	**100%**	**80.9**	**172.66**	**13968.38**

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

Silk Satin - Yarn Production

Process Name	Material
Carding (CO2e g)	Silk India (INDIA) 62.4375
Winding (CO2e g)	Silk India (INDIA) 143.6061

Process Name	Material
Sizing (CO2e g)	Silk India (INDIA) 2.9879
Ring Spinning (CO2e g)	Silk India (INDIA) 299.6998
Warping (CO2e g)	Silk India (INDIA) 10.1588
Roving (Co2e g)	Silk India (INDIA) 24.975
Dyeing (CO2e g)	Silk India (INDIA) 77.6851
Blowing (CO2e g)	Silk India (INDIA) 56.1937
Drawing (CO2e g)	Silk India (INDIA) 37.4625
Total	**715.2064**

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

Silk Satin - Cutting & Stitching

Process Name	Material
Major cutting	Silk India (INDIA) 0.0081
Total	**0.0081**

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

Silk Satin - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Silk India (INDIA) 164.8027
Finishing Emissions (CO2g)	Silk India (INDIA) 100.4895
Laundry Emissions (CO2e g)	Silk India (INDIA) 100.4895
Washing & Drying Emissions	Silk India (INDIA) 14.7385
Total	**380.5202**

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

Silk Satin - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Silk India (INDIA) 0.268
Coating (CO2e g)	Silk India (INDIA) 0
Bonding (CO2e g)	Silk India (INDIA) 0.556
Weaving (CO2e g)	Silk India (INDIA) 254.5733
Total	**255.3973**

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

Silk Satin - Finishing & Packaging

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