

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWREI54645

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	v neck	-0.016
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

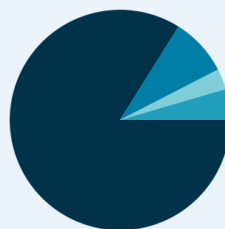
Property Name	Property Value	SQM
Length	long	0.69
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

20.59 kg CO₂e

Estimated Offsetting Cost In EUR *

2.06 €



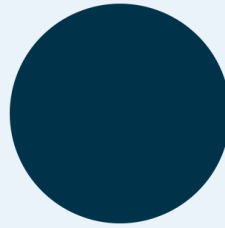
- Raw Material (83.92%)
- Yarn Production (8.51%)
- Fabric Production (3.04%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.53%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

17.28 kg CO₂e

Estimated Offsetting Cost In EUR *

1.73 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

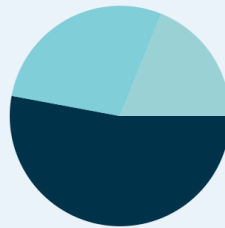
0 €

Process Carbon Footprint

3.31 kg CO₂e

Estimated Offsetting Cost In EUR *

0.33 €



● Yarn Production (52.96%)
● Cutting & Stitching (0.00%)
● Garment Manufacturing (28.19%)
● Fabric Production (18.91%)
● Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
SILK SATIN PRINTED	Raw Material	INDIA	High Risk
SILK SATIN PRINTED	Yarn Production	INDIA	High Risk
SILK SATIN PRINTED	Fabric Production	INDIA	High Risk
SILK SATIN PRINTED	Cutting & Stitching	INDIA	High Risk
SILK SATIN PRINTED	Garment Manufacturing	INDIA	High Risk
SILK SATIN PRINTED	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

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	6328.32	617.01	3043.34
Yarn Production	0	493.61	2130.34
Fabric Production	0	462.76	2282.5
Garment Manufacturing	0	767.03	3892.46
Total (Liters)	6328.32	2340.41	11348.64

Land Impact Summary	
Total Land Use (m2)	0.03

SILK SATIN PRINTED - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk India	98%	80.9	168.2973	13615.2542
Elastane/Spandex	2%	10.7	9.5679	102.3768
Total	100%	91.6	177.87	13717.63

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk India	INDIA	INDIA		0
Elastane/Spandex	INDIA	INDIA		0
Total				0

SILK SATIN PRINTED - Yarn Production

Process Name	Material	
Carding (CO2e g)	Silk India (INDIA) 60.859	Elastane/Spandex (INDIA) 3.4599
Winding (CO2e g)	Silk India (INDIA) 139.9757	Elastane/Spandex (INDIA) 7.9578
Sizing (CO2e g)	Silk India (INDIA) 2.9124	Elastane/Spandex (INDIA) 0.1656
Ring Spinning (CO2e g)	Silk India (INDIA) 292.1232	Elastane/Spandex (INDIA) 16.6076
Warping (CO2e g)	Silk India (INDIA) 9.902	Elastane/Spandex (INDIA) 0.5629
Roving (Co2e g)	Silk India (INDIA) 24.3436	Elastane/Spandex (INDIA) 1.384
Dyeing (CO2e g)	Silk India (INDIA) 75.7211	Elastane/Spandex (INDIA) 4.3048
Blowing (CO2e g)	Silk India (INDIA) 54.7731	Elastane/Spandex (INDIA) 3.1139
Drawing (CO2e g)	Silk India (INDIA) 36.5154	Elastane/Spandex (INDIA) 2.0759
Total	697.1255	39.6324

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk India	INDIA	INDIA		0
Elastane/Spandex	INDIA	INDIA		0
Total				0

SILK SATIN PRINTED - Cutting & Stitching

Process Name	Material	
Major cutting	Silk India (INDIA) 0.0079	Elastane/Spandex (INDIA) 0.0005
Total	0.0079	0.0005

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk India	INDIA	INDIA		0
Elastane/Spandex	INDIA	INDIA		0
Total				0

SILK SATIN PRINTED - Garment Manufacturing

Process Name	Material	
Garment dyeing (CO2e g)	Silk India (INDIA) 160.6364	Elastane/Spandex (INDIA) 9.1324
Finishing Emissions (CO2g)	Silk India (INDIA) 97.949	Elastane/Spandex (INDIA) 5.5685
Laundry Emissions (CO2e g)	Silk India (INDIA) 97.949	Elastane/Spandex (INDIA) 5.5685
Washing & Drying Emissions	Silk India (INDIA) 14.3659	Elastane/Spandex (INDIA) 0.8167
Total	370.9003	21.086100000000002

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk India	INDIA	INDIA		0
Elastane/Spandex	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.3339	35

SILK SATIN PRINTED - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Silk India (INDIA) 0.2612	Elastane/Spandex (INDIA) 0.0148
Coating (CO2e g)	Silk India (INDIA) 0	Elastane/Spandex (INDIA) 0
Bonding (CO2e g)	Silk India (INDIA) 0.542	Elastane/Spandex (INDIA) 0.0308
Weaving (CO2e g)	Silk India (INDIA) 248.1376	Elastane/Spandex (INDIA) 14.1069
Total	248.9408	14.1525

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk India	INDIA	INDIA		0
Elastane/Spandex	INDIA	INDIA		0
Total				0

SILK SATIN PRINTED - Finishing & Packaging

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Elastane/Spandex	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	245.3314	3567.1184
Total	100%	14.54	245.33	3567.12

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) 88.7158
Winding (CO2e g)	Viscose generic (INDIA) 204.0462
Sizing (CO2e g)	Viscose generic (INDIA) 4.2454
Ring Spinning (CO2e g)	Viscose generic (INDIA) 425.8356
Warping (CO2e g)	Viscose generic (INDIA) 14.4344
Roving (Co2e g)	Viscose generic (INDIA) 35.4863
Dyeing (CO2e g)	Viscose generic (INDIA) 110.3807
Blowing (CO2e g)	Viscose generic (INDIA) 79.8442
Drawing (CO2e g)	Viscose generic (INDIA) 53.2295
Total	1016.2181000000002

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) 234.1639
Finishing Emissions (CO2g)	Viscose generic (INDIA) 142.7829
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 142.7829
Washing & Drying Emissions	Viscose generic (INDIA) 20.9415
Total	540.67120000000001

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	0.3339	35

VISCOSE GEORGETTE - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (INDIA) 0.3808
Coating (CO2e g)	Viscose generic (INDIA) 0
Bonding (CO2e g)	Viscose generic (INDIA) 0.7901
Weaving (CO2e g)	Viscose generic (INDIA) 361.7166
Total	362.887500000000005

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

Final Transportation

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk India	INDIA	UNITED KINGDOM	AIR - 0	0
Elastane/Spandex	INDIA	UNITED KINGDOM	AIR - 0	0
Total				0

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