

## Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWREI53218C

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%

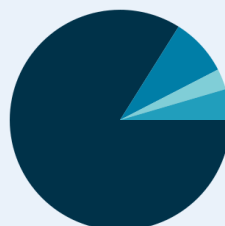
Property Name	Property Value	SQM
Length	long	0.69
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

### Total Carbon Footprint

**23.64** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

**2.36** €



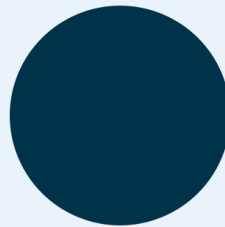
- Raw Material (83.93%)
- Yarn Production (8.51%)
- Fabric Production (3.04%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.53%)
- Finishing & Packaging (0.00%)

## Raw Material Carbon Footprint

**19.84** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

**1.98** €



● Raw Material (100%)

## Transportation Carbon Footprint

**0** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

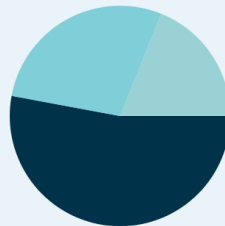
**0** €

## Process Carbon Footprint

**3.8** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

**0.38** €



- Yarn Production (52.94%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (28.18%)
- 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	7263.07	708.15	3492.86
Yarn Production	0	566.52	2445
Fabric Production	0	531.11	2619.65
Garment Manufacturing	0	880.33	4467.42
<b>Total (Liters)</b>	<b>7263.07</b>	<b>2686.11</b>	<b>13024.93</b>

Land Impact Summary	
<b>Total Land Use (m2)</b>	<b>0.03</b>

### SILK SATIN PRINTED - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk India	98%	80.9	193.1563	15626.3453
Elastane/Spandex	2%	10.7	10.9812	117.4987
<b>Total</b>	<b>100%</b>	<b>91.6</b>	<b>204.14</b>	<b>15743.84</b>

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

### SILK SATIN PRINTED - Yarn Production

Process Name	Material	
Carding (CO2e g)	Silk India (INDIA) 69.8484	Elastane/Spandex (INDIA) 3.971
Winding (CO2e g)	Silk India (INDIA) 160.6513	Elastane/Spandex (INDIA) 9.1332
Sizing (CO2e g)	Silk India (INDIA) 3.3425	Elastane/Spandex (INDIA) 0.19
Ring Spinning (CO2e g)	Silk India (INDIA) 335.2724	Elastane/Spandex (INDIA) 19.0607
Warping (CO2e g)	Silk India (INDIA) 11.3646	Elastane/Spandex (INDIA) 0.6461
Roving (Co2e g)	Silk India (INDIA) 27.9394	Elastane/Spandex (INDIA) 1.5884
Dyeing (CO2e g)	Silk India (INDIA) 86.9058	Elastane/Spandex (INDIA) 4.9407
Blowing (CO2e g)	Silk India (INDIA) 62.8636	Elastane/Spandex (INDIA) 3.5739
Drawing (CO2e g)	Silk India (INDIA) 41.909	Elastane/Spandex (INDIA) 2.3826
<b>Total</b>	<b>800.097</b>	<b>45.486599999999996</b>

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

## SILK SATIN PRINTED - Cutting & Stitching

Process Name	Material	
Major cutting	Silk India (INDIA) 0.0091	Elastane/Spandex (INDIA) 0.0005
<b>Total</b>	<b>0.0091</b>	<b>0.0005</b>

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

## SILK SATIN PRINTED - Garment Manufacturing

Process Name	Material	
Garment dyeing (CO2e g)	Silk India (INDIA) 184.3638	Elastane/Spandex (INDIA) 10.4813
Finishing Emissions (CO2g)	Silk India (INDIA) 112.417	Elastane/Spandex (INDIA) 6.3911
Laundry Emissions (CO2e g)	Silk India (INDIA) 112.417	Elastane/Spandex (INDIA) 6.3911
Washing & Drying Emissions	Silk India (INDIA) 16.4878	Elastane/Spandex (INDIA) 0.9374
<b>Total</b>	<b>425.6856</b>	<b>24.2009</b>

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

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) 0.2998	Elastane/Spandex (INDIA) 0.017
Coating (CO2e g)	Silk India (INDIA) 0	Elastane/Spandex (INDIA) 0
Bonding (CO2e g)	Silk India (INDIA) 0.622	Elastane/Spandex (INDIA) 0.0354
Weaving (CO2e g)	Silk India (INDIA) 284.7897	Elastane/Spandex (INDIA) 16.1907
<b>Total</b>	<b>285.7115</b>	<b>16.2431</b>

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

## 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
<b>Total</b>				<b>0</b>

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	281.569	4094.0127
<b>Total</b>	<b>100%</b>	<b>14.54</b>	<b>281.57</b>	<b>4094.01</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## VISCOSE GEORGETTE - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (INDIA) 101.8198
Winding (CO2e g)	Viscose generic (INDIA) 234.1856
Sizing (CO2e g)	Viscose generic (INDIA) 4.8725
Ring Spinning (CO2e g)	Viscose generic (INDIA) 488.7352
Warping (CO2e g)	Viscose generic (INDIA) 16.5665
Roving (Co2e g)	Viscose generic (INDIA) 40.7279
Dyeing (CO2e g)	Viscose generic (INDIA) 126.6849
Blowing (CO2e g)	Viscose generic (INDIA) 91.6379
Drawing (CO2e g)	Viscose generic (INDIA) 61.0919
<b>Total</b>	<b>1166.3221999999998</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## VISCOSE GEORGETTE - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (INDIA) 0.0133
<b>Total</b>	<b>0.0133</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## VISCOSE GEORGETTE - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (INDIA) 268.7519
Finishing Emissions (CO2g)	Viscose generic (INDIA) 163.8731
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 163.8731
Washing & Drying Emissions	Viscose generic (INDIA) 24.0347
<b>Total</b>	<b>620.5328000000001</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

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) 0.437
Coating (CO2e g)	Viscose generic (INDIA) 0
Bonding (CO2e g)	Viscose generic (INDIA) 0.9068
Weaving (CO2e g)	Viscose generic (INDIA) 415.1453
<b>Total</b>	<b>416.4891</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## VISCOSE GEORGETTE - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

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
<b>Total</b>				<b>0</b>

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