

## Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWREI54691

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	regular	0
Sleeves	short	0.09
Neck	v neck	-0.016
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

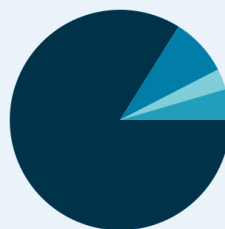
Property Name	Property Value	SQM
Length	long	0.69
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

### Total Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**2.2** €



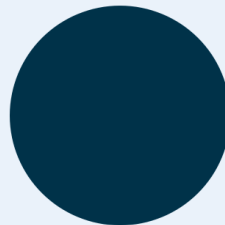
- Raw Material (83.93%)
- Yarn Production (8.51%)
- Fabric Production (3.04%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.53%)
- Finishing & Packaging (0.00%)

## Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**1.84** €



● Raw Material (100%)

## Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

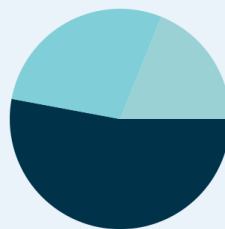
**0** €

## Process Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.35** €



● Yarn Production (52.95%)  
● 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	6747.79	657.91	3245.06
Yarn Production	0	526.33	2271.54
Fabric Production	0	493.43	2433.8
Garment Manufacturing	0	817.87	4150.48
<b>Total (Liters)</b>	<b>6747.79</b>	<b>2495.54</b>	<b>12100.88</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	179.4529	14517.7383
Elastane/Spandex	2%	10.7	10.2021	109.1628
<b>Total</b>	<b>100%</b>	<b>91.6</b>	<b>189.66</b>	<b>14626.9</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) 64.893	Elastane/Spandex (INDIA) 3.6893
Winding (CO2e g)	Silk India (INDIA) 149.254	Elastane/Spandex (INDIA) 8.4853
Sizing (CO2e g)	Silk India (INDIA) 3.1054	Elastane/Spandex (INDIA) 0.1765
Ring Spinning (CO2e g)	Silk India (INDIA) 311.4866	Elastane/Spandex (INDIA) 17.7084
Warping (CO2e g)	Silk India (INDIA) 10.5583	Elastane/Spandex (INDIA) 0.6003
Roving (Co2e g)	Silk India (INDIA) 25.9572	Elastane/Spandex (INDIA) 1.4757
Dyeing (CO2e g)	Silk India (INDIA) 80.7403	Elastane/Spandex (INDIA) 4.5902
Blowing (CO2e g)	Silk India (INDIA) 58.4037	Elastane/Spandex (INDIA) 3.3203
Drawing (CO2e g)	Silk India (INDIA) 38.9358	Elastane/Spandex (INDIA) 2.2136
<b>Total</b>	<b>743.3343</b>	<b>42.259600000000006</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) 0.0085	Elastane/Spandex (INDIA) 0.0005
<b>Total</b>	<b>0.0085</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) 171.2842	Elastane/Spandex (INDIA) 9.7377
Finishing Emissions (CO2g)	Silk India (INDIA) 104.4416	Elastane/Spandex (INDIA) 5.9376
Laundry Emissions (CO2e g)	Silk India (INDIA) 104.4416	Elastane/Spandex (INDIA) 5.9376
Washing & Drying Emissions	Silk India (INDIA) 15.3181	Elastane/Spandex (INDIA) 0.8709
<b>Total</b>	<b>395.4855</b>	<b>22.4838</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) 0.2785	Elastane/Spandex (INDIA) 0.0158
Coating (CO2e g)	Silk India (INDIA) 0	Elastane/Spandex (INDIA) 0
Bonding (CO2e g)	Silk India (INDIA) 0.5779	Elastane/Spandex (INDIA) 0.0329
Weaving (CO2e g)	Silk India (INDIA) 264.5853	Elastane/Spandex (INDIA) 15.042
<b>Total</b>	<b>265.4417</b>	<b>15.0907</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	261.5931	3803.564
<b>Total</b>	<b>100%</b>	<b>14.54</b>	<b>261.59</b>	<b>3803.56</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) 94.5963
Winding (CO2e g)	Viscose generic (INDIA) 217.5714
Sizing (CO2e g)	Viscose generic (INDIA) 4.5268
Ring Spinning (CO2e g)	Viscose generic (INDIA) 454.062
Warping (CO2e g)	Viscose generic (INDIA) 15.3912
Roving (Co2e g)	Viscose generic (INDIA) 37.8385
Dyeing (CO2e g)	Viscose generic (INDIA) 117.6972
Blowing (CO2e g)	Viscose generic (INDIA) 85.1366
Drawing (CO2e g)	Viscose generic (INDIA) 56.7578
<b>Total</b>	<b>1083.5778</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) 0.0123
<b>Total</b>	<b>0.0123</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) 249.6854
Finishing Emissions (CO2g)	Viscose generic (INDIA) 152.2472
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 152.2472
Washing & Drying Emissions	Viscose generic (INDIA) 22.3296
<b>Total</b>	<b>576.5094</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) 0.406
Coating (CO2e g)	Viscose generic (INDIA) 0
Bonding (CO2e g)	Viscose generic (INDIA) 0.8424
Weaving (CO2e g)	Viscose generic (INDIA) 385.6929
<b>Total</b>	<b>386.9413</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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