



# Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU
DRESSES	NELLE DRESS

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	slim	1.44
Sleeves	short	0.09
Neck	crossed	0.1
EU SIZE	L woman	0.19897744204083448

Layer	Gender	Wastage Percentage
Skirts	Women	5%

Property Name	Property Value	SQM
Length	calf	0.5658
Shape	circle	324
Rise	regular	0
EU SIZE	L woman	0.19897744204083448

## External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton India	100%	0.89	416.6551	370.8231
<b>Total</b>	<b>100%</b>	<b>0.89</b>	<b>416.66</b>	<b>370.82</b>

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

## External - Yarn Production

Process Name	Material
Carding (CO2e g)	Cotton India (INDIA) 150.6692
Winding (CO2e g)	Cotton India (INDIA) 346.5391
Sizing (CO2e g)	Cotton India (INDIA) 7.2101
Ring Spinning (CO2e g)	Cotton India (INDIA) 723.212
Warping (CO2e g)	Cotton India (INDIA) 24.5145
Roving (Co2e g)	Cotton India (INDIA) 60.2677
Yarn Production - Dyeing (CO2e g)	Cotton India (INDIA) 187.4635
Blowing (CO2e g)	Cotton India (INDIA) 135.6022
Drawing (CO2e g)	Cotton India (INDIA) 90.4015
<b>Total</b>	<b>1725.8798000000002</b>

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

## External - Cutting & Stitching

Process Name	Material
Major cutting	Cotton India (INDIA) 0.0197
<b>Total</b>	<b>0.0197</b>

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

## External - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Cotton India (INDIA) 0.6466
Weaving (CO2e g)	Cotton India (INDIA) 614.3163
<b>Total</b>	<b>614.9629</b>

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

## External - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Cotton India (INDIA) 242.4933
Laundry Emissions (CO2e g)	Cotton India (INDIA) 242.4933
Washing & Drying Emissions	Cotton India (INDIA) 35.5657
<b>Total</b>	<b>520.55230000000001</b>

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

Production Group	Process Name	Country	CO2e	Value
Addition	Button Plastic Small Size	INDIA	0.0082	1

## External - Finishing & Packaging

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

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
Polyester generic	100%	2.8	277.7701	777.7562
<b>Total</b>	<b>100%</b>	<b>2.8</b>	<b>277.77</b>	<b>777.76</b>

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

## Fabric\_2 - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester generic (INDIA) 100.4461
Winding (CO2e g)	Polyester generic (INDIA) 231.026
Sizing (CO2e g)	Polyester generic (INDIA) 4.8068
Ring Spinning (CO2e g)	Polyester generic (INDIA) 482.1413
Warping (CO2e g)	Polyester generic (INDIA) 16.343
Roving (Co2e g)	Polyester generic (INDIA) 40.1784
Yarn Production - Dyeing (CO2e g)	Polyester generic (INDIA) 124.9756
Blowing (CO2e g)	Polyester generic (INDIA) 90.4015
Drawing (CO2e g)	Polyester generic (INDIA) 60.2677
<b>Total</b>	<b>1150.58640000000001</b>

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

## Fabric\_2 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester generic (INDIA) 0.4311
Weaving (CO2e g)	Polyester generic (INDIA) 409.5442
<b>Total</b>	<b>409.9753</b>

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

## Fabric\_2 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Polyester generic (INDIA) 161.6622
Laundry Emissions (CO2e g)	Polyester generic (INDIA) 161.6622
Washing & Drying Emissions	Polyester generic (INDIA) 23.7105
<b>Total</b>	<b>347.03490000000005</b>

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

Production Group	Process Name	Country	CO2e	Value
Addition	Button Plastic Small Size	INDIA	0.0082	1

## Fabric\_2 - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester 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

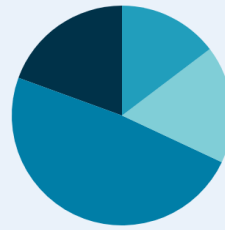
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	UNITED KINGDOM	AIR - 0	0
<b>Total</b>				<b>0</b>

**Total Carbon Footprint**

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

**Estimated Offsetting Cost In EUR \***

0.59 €



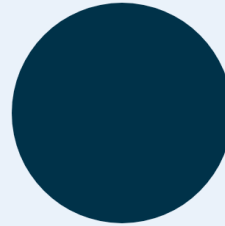
- Raw Material (19.43%)
- Yarn Production (48.59%)
- Fabric Production (17.31%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (14.66%)
- Finishing & Packaging (0.00%)

### Raw Material Carbon Footprint

1.15 kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

0.12 €



- Raw Material (100%)

### Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

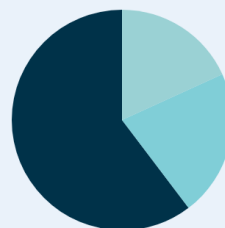
0 €

### Process Carbon Footprint

4.77 kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

0.48 €



- Yarn Production (60.30%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.49%)
- Garment Manufacturing (18.19%)
- Finishing & Packaging (0.00%)

\* Current Average Market Value Of High Quality Carbon Credit

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