



# Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU	Gender	Wastage Percentage
SKIRTS	NELLE SKIRT	Women	5%

Property Name	Property Value	SQM
Length	calf	0.5658
Rise	regular	0
Shape	circle	324
EU SIZE	L woman	0.1893861454046681

## External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton India	100%	0.89	286.4141	254.9085
<b>Total</b>	<b>100%</b>	<b>0.89</b>	<b>286.41</b>	<b>254.91</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) 103.5719
Winding (CO2e g)	Cotton India (INDIA) 238.2154
Sizing (CO2e g)	Cotton India (INDIA) 4.9563
Ring Spinning (CO2e g)	Cotton India (INDIA) 497.1452
Warping (CO2e g)	Cotton India (INDIA) 16.8516
Roving (Co2e g)	Cotton India (INDIA) 41.4288
Yarn Production - Dyeing (CO2e g)	Cotton India (INDIA) 128.8648
Blowing (CO2e g)	Cotton India (INDIA) 93.2147
Drawing (CO2e g)	Cotton India (INDIA) 62.1432
<b>Total</b>	<b>1186.3918999999999</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) 0.0135
<b>Total</b>	<b>0.0135</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) 0.4445
Weaving (CO2e g)	Cotton India (INDIA) 422.2889
<b>Total</b>	<b>422.7334</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) 166.693
Laundry Emissions (CO2e g)	Cotton India (INDIA) 166.693
Washing & Drying Emissions	Cotton India (INDIA) 24.4483
<b>Total</b>	<b>357.83430000000004</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	Zip (cm)	INDIA	0.1908	20

## 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	190.9427	534.6396
<b>Total</b>	<b>100%</b>	<b>2.8</b>	<b>190.94</b>	<b>534.64</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) 69.0479
Winding (CO2e g)	Polyester generic (INDIA) 158.8103
Sizing (CO2e g)	Polyester generic (INDIA) 3.3042
Ring Spinning (CO2e g)	Polyester generic (INDIA) 331.4301
Warping (CO2e g)	Polyester generic (INDIA) 11.2344
Roving (Co2e g)	Polyester generic (INDIA) 27.6192
Yarn Production - Dyeing (CO2e g)	Polyester generic (INDIA) 85.9099
Blowing (CO2e g)	Polyester generic (INDIA) 62.1432
Drawing (CO2e g)	Polyester generic (INDIA) 41.4288
<b>Total</b>	<b>790.928</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) 0.2963
Weaving (CO2e g)	Polyester generic (INDIA) 281.526
<b>Total</b>	<b>281.8223</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) 111.1287

Process Name	Material
Laundry Emissions (CO2e g)	Polyester generic (INDIA) 111.1287
Washing & Drying Emissions	Polyester generic (INDIA) 16.2989
<b>Total</b>	<b>238.5563</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	Zip (cm)	INDIA	0.1908	20

## 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

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

Estimated Offsetting Cost In EUR \*

**0.41** €



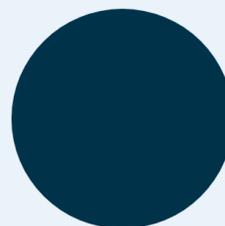
- Raw Material (19.41%)
- Yarn Production (48.58%)
- Fabric Production (17.31%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (14.66%)
- Finishing & Packaging (0.00%)

### Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.08** €



- Raw Material (100%)

## Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

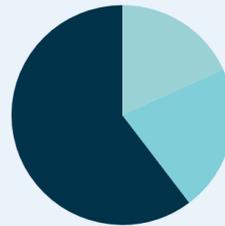
0 €

## Process Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

0.33 €



- Yarn Production (60.28%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.48%)
- Garment Manufacturing (18.19%)
- Finishing & Packaging (0.00%)

\* Current Average Market Value Of High Quality Carbon Credit

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