



Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU	Gender	Wastage Percentage
SHIRTS	NELLE SHIRT	Women	5%

Property Name	Property Value	SQM
Body length	short	0.511
Fit	loose	6.25
Sleeves	long	0.31
Neck	classic collar	0.039
EU SIZE	L woman	0.19897744204083448

External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton India	100%	0.89	178.7612	159.0974
Total	100%	0.89	178.76	159.1

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
Total				0

External - Yarn Production

Process Name	Material
Carding (CO2e g)	Cotton India (INDIA) 64.6429
Winding (CO2e g)	Cotton India (INDIA) 148.6787
Sizing (CO2e g)	Cotton India (INDIA) 3.0934
Ring Spinning (CO2e g)	Cotton India (INDIA) 310.2859
Warping (CO2e g)	Cotton India (INDIA) 10.5176
Roving (Co2e g)	Cotton India (INDIA) 25.8572
Yarn Production - Dyeing (CO2e g)	Cotton India (INDIA) 80.4291
Blowing (CO2e g)	Cotton India (INDIA) 58.1786
Drawing (CO2e g)	Cotton India (INDIA) 38.7857
Total	740.46910000000001

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
Total				0

External - Cutting & Stitching

Process Name	Material
Major cutting	Cotton India (INDIA) 0.0084
Total	0.0084

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
Total				0

External - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Cotton India (INDIA) 0.2774
Weaving (CO2e g)	Cotton India (INDIA) 263.5655
Total	263.8429

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
Total				0

External - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Cotton India (INDIA) 104.039
Laundry Emissions (CO2e g)	Cotton India (INDIA) 104.039
Washing & Drying Emissions	Cotton India (INDIA) 15.2591
Total	223.3371

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Button Plastic Small Size	INDIA	0.1063	13

External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
Total				0

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	119.1741	333.6875
Total	100%	2.8	119.17	333.69

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	INDIA	INDIA		0
Total				0

Fabric_2 - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester generic (INDIA) 43.0953
Winding (CO2e g)	Polyester generic (INDIA) 99.1191
Sizing (CO2e g)	Polyester generic (INDIA) 2.0623
Ring Spinning (CO2e g)	Polyester generic (INDIA) 206.8573
Warping (CO2e g)	Polyester generic (INDIA) 7.0118
Roving (Co2e g)	Polyester generic (INDIA) 17.2381
Yarn Production - Dyeing (CO2e g)	Polyester generic (INDIA) 53.6194
Blowing (CO2e g)	Polyester generic (INDIA) 38.7857
Drawing (CO2e g)	Polyester generic (INDIA) 25.8572
Total	493.64619999999996

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	INDIA	INDIA		0
Total				0

Fabric_2 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester generic (INDIA) 0.185
Weaving (CO2e g)	Polyester generic (INDIA) 175.7103
Total	175.8953

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	INDIA	INDIA		0
Total				0

Fabric_2 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Polyester generic (INDIA) 69.3593

Process Name	Material
Laundry Emissions (CO2e g)	Polyester generic (INDIA) 69.3593
Washing & Drying Emissions	Polyester generic (INDIA) 10.1727
Total	148.8913

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Button Plastic Small Size	INDIA	0.1063	13

Fabric_2 - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

Final Transportation

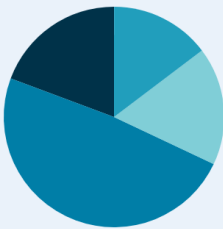
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	UNITED KINGDOM	AIR - 0	0
Total				0

Total Carbon Footprint

2.54 kg CO₂e

Estimated Offsetting Cost In EUR *

0.25 €



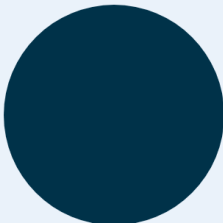
- Raw Material (19.29%)
- Yarn Production (48.59%)
- Fabric Production (17.31%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (14.66%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

0.49 kg CO₂e

Estimated Offsetting Cost In EUR *

0.05 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

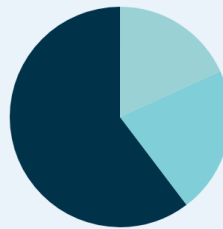
0 €

Process Carbon Footprint

2.05 kg CO₂e

Estimated Offsetting Cost In EUR *

0.2 €



- Yarn Production (60.20%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.45%)
- Garment Manufacturing (18.16%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

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