



# Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU	Gender	Wastage Percentage
SHIRTS	DOMINIQUE SHIRT	Women	5%

Property Name	Property Value	SQM
Body length	short	0.511
Fit	regular	0
Sleeves	half	0.15
Neck	v neck	-0.018
EU SIZE	L woman	0.19897744204083448

## External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Lyocell	92%	13.788	110.3037	1520.8668
Flax/Linen Reg	8%	4.74	8.4632	40.1155
<b>Total</b>	<b>100%</b>	<b>18.53</b>	<b>118.77</b>	<b>1560.98</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Lyocell	INDIA	INDIA		0
Flax/Linen Reg	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## External - Yarn Production

Process Name	Material	
Carding (CO2e g)	Lyocell (INDIA) 39.8876	Flax/Linen Reg (INDIA) 3.0604
Winding (CO2e g)	Lyocell (INDIA) 91.7414	Flax/Linen Reg (INDIA) 7.039
Sizing (CO2e g)	Lyocell (INDIA) 1.9088	Flax/Linen Reg (INDIA) 0.1465
Ring Spinning (CO2e g)	Lyocell (INDIA) 191.4603	Flax/Linen Reg (INDIA) 14.6901
Warping (CO2e g)	Lyocell (INDIA) 6.4899	Flax/Linen Reg (INDIA) 0.4979
Roving (Co2e g)	Lyocell (INDIA) 15.955	Flax/Linen Reg (INDIA) 1.2242
Yarn Production - Dyeing (CO2e g)	Lyocell (INDIA) 49.6284	Flax/Linen Reg (INDIA) 3.8078
Blowing (CO2e g)	Lyocell (INDIA) 35.8988	Flax/Linen Reg (INDIA) 2.7544

Process Name	Material	
Drawing (CO2e g)	Lyocell (INDIA) 23.9325	Flax/Linen Reg (INDIA) 1.8363
<b>Total</b>	<b>456.9027</b>	<b>35.0566</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Lyocell	INDIA	INDIA		0
Flax/Linen Reg	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## External - Cutting & Stitching

Process Name	Material	
Major cutting	Lyocell (INDIA) 0.0052	Flax/Linen Reg (INDIA) 0.0004
<b>Total</b>	<b>0.0052</b>	<b>0.0004</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Lyocell	INDIA	INDIA		0
Flax/Linen Reg	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## External - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Lyocell (INDIA) 0.1712	Flax/Linen Reg (INDIA) 0.0131
Weaving (CO2e g)	Lyocell (INDIA) 162.6317	Flax/Linen Reg (INDIA) 12.4781
<b>Total</b>	<b>162.8029</b>	<b>12.4912</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Lyocell	INDIA	INDIA		0
Flax/Linen Reg	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## External - Garment Manufacturing

Process Name	Material	
Finishing Emissions (CO2g)	Lyocell (INDIA) 64.1967	Flax/Linen Reg (INDIA) 4.9256
Laundry Emissions (CO2e g)	Lyocell (INDIA) 64.1967	Flax/Linen Reg (INDIA) 4.9256
Washing & Drying Emissions	Lyocell (INDIA) 9.4155	Flax/Linen Reg (INDIA) 0.7224
<b>Total</b>	<b>137.80890000000002</b>	<b>10.5736</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Lyocell	INDIA	INDIA		0
Flax/Linen Reg	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

Production Group	Process Name	Country	CO2e	Value
Addition	Button Plastic Small Size	INDIA	0.0327	4

## External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Lyocell	INDIA	INDIA		0
Flax/Linen Reg	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

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

## Final Transportation

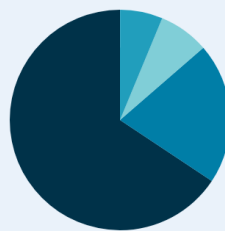
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Lyocell	INDIA	UNITED KINGDOM	AIR - 0	0
Flax/Linen Reg	INDIA	UNITED KINGDOM	AIR - 0	0
<b>Total</b>				<b>0</b>

### Total Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.24** €



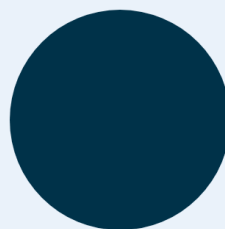
- Raw Material (65.55%)
- Yarn Production (20.67%)
- Fabric Production (7.37%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (6.24%)
- Finishing & Packaging (0.01%)

### Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.16** €



- Raw Material (100%)

### Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

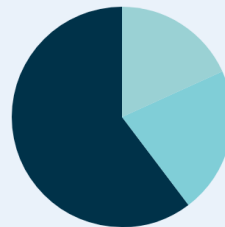
0 €

## Process Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

0.08 €



- Yarn Production (60.00%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.38%)
- Garment Manufacturing (18.10%)
- Finishing & Packaging (0.01%)

\* Current Average Market Value Of High Quality Carbon Credit

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