



Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

| Product | SKU | Gender | Wastage Percentage |
|---------|------------------|--------|--------------------|
| OUTWEAR | DOMINIQUE KIMONO | Women | 5% |

| Property Name | Property Value | SQM |
|---------------|----------------|---------------------|
| Body length | parka lenght | 0.7 |
| Fit | loose | 2.56 |
| Sleeves | long | 0.3 |
| Neck | korean thin | 0.02115 |
| Hood | no | 0 |
| EU SIZE | L woman | 0.19897744204083448 |

External - Raw Material

| Material | Percentage | CO2e per GRAM | Fabric Grams | CO2e Grams |
|----------------|-------------|---------------|--------------|---------------|
| Lyocell | 92% | 13.788 | 194.3866 | 2680.2025 |
| Flax/Linen Reg | 8% | 4.74 | 14.9146 | 70.6951 |
| Total | 100% | 18.53 | 209.3 | 2750.9 |

| Material | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|----------------|----------------|---------------------|------------|----------------------|
| Lyocell | INDIA | INDIA | | 0 |
| Flax/Linen Reg | INDIA | INDIA | | 0 |
| Total | | | | 0 |

External - Yarn Production

| Process Name | Material | |
|-----------------------------------|--------------------------|--------------------------------|
| Carding (CO2e g) | Lyocell (INDIA) 70.2933 | Flax/Linen Reg (INDIA) 5.3933 |
| Winding (CO2e g) | Lyocell (INDIA) 161.6746 | Flax/Linen Reg (INDIA) 12.4047 |
| Sizing (CO2e g) | Lyocell (INDIA) 3.3638 | Flax/Linen Reg (INDIA) 0.2581 |
| Ring Spinning (CO2e g) | Lyocell (INDIA) 337.4079 | Flax/Linen Reg (INDIA) 25.8881 |
| Warping (CO2e g) | Lyocell (INDIA) 11.437 | Flax/Linen Reg (INDIA) 0.8775 |
| Roving (Co2e g) | Lyocell (INDIA) 28.1173 | Flax/Linen Reg (INDIA) 2.1573 |
| Yarn Production - Dyeing (CO2e g) | Lyocell (INDIA) 87.4594 | Flax/Linen Reg (INDIA) 6.7104 |

| Process Name | Material | |
|------------------|------------------------|------------------------------|
| Blowing (CO2e g) | Lyocell (INDIA) 63.264 | Flax/Linen Reg (INDIA) 4.854 |
| Drawing (CO2e g) | Lyocell (INDIA) 42.176 | Flax/Linen Reg (INDIA) 3.236 |
| Total | 805.1933 | 61.779399999999995 |

| Material | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|----------------|----------------|---------------------|------------|----------------------|
| Lyocell | INDIA | INDIA | | 0 |
| Flax/Linen Reg | INDIA | INDIA | | 0 |
| Total | | | | 0 |

External - Pattern Making & Cutting

| Process Name | Material | |
|-------------------------|-------------------------|-------------------------------|
| Cutting Emissions | Lyocell (INDIA) 113.133 | Flax/Linen Reg (INDIA) 8.6803 |
| Pattern Making (CO2e g) | Lyocell (INDIA) 113.133 | Flax/Linen Reg (INDIA) 8.6803 |
| Total | 226.266 | 17.3606 |

| Material | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|----------------|----------------|---------------------|------------|----------------------|
| Lyocell | INDIA | INDIA | | 0 |
| Flax/Linen Reg | INDIA | INDIA | | 0 |
| Total | | | | 0 |

External - Spinning & Weaving

| Process Name | Material | |
|-------------------|---------------------------|-------------------------------|
| Spinning (CO2e g) | Lyocell (INDIA) 286.6036 | Flax/Linen Reg (INDIA) 21.99 |
| Weaving(CO2e g) | Lyocell (INDIA) 0.3017 | Flax/Linen Reg (INDIA) 0.0231 |
| Total | 286.90529999999995 | 22.013099999999998 |

| Material | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|----------------|----------------|---------------------|------------|----------------------|
| Lyocell | INDIA | INDIA | | 0 |
| Flax/Linen Reg | INDIA | INDIA | | 0 |
| Total | | | | 0 |

External - Stitching & Pressing

| Process Name | Material | |
|-------------------|---------------------------|-------------------------------|
| Stitching(CO2e g) | Lyocell (INDIA) 286.6036 | Flax/Linen Reg (INDIA) 21.99 |
| Pressing (CO2e g) | Lyocell (INDIA) 0.3017 | Flax/Linen Reg (INDIA) 0.0231 |
| Total | 286.90529999999995 | 22.013099999999998 |

| Material | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|----------------|----------------|---------------------|------------|----------------------|
| Lyocell | INDIA | INDIA | | 0 |
| Flax/Linen Reg | INDIA | INDIA | | 0 |
| Total | | | | 0 |

External - Finishing & Packaging

| Material | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|----------------|----------------|---------------------|------------|----------------------|
| Lyocell | INDIA | INDIA | | 0 |
| Flax/Linen Reg | INDIA | INDIA | | 0 |
| Total | | | | 0 |

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

Final Transportation

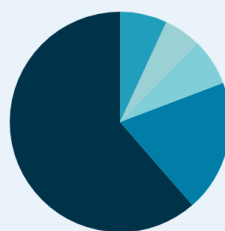
| Material | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|----------------|----------------|---------------------|------------|----------------------|
| Lyocell | INDIA | UNITED KINGDOM | AIR - 0 | 0 |
| Flax/Linen Reg | INDIA | UNITED KINGDOM | AIR - 0 | 0 |
| Total |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

Total Carbon Footprint

4.48 kg CO₂e

Estimated Offsetting Cost In EUR *

0.45 €



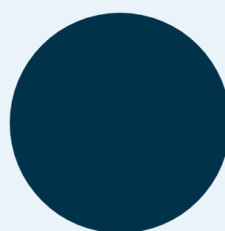
- Raw Material (61.38%)
- Yarn Production (19.35%)
- Spinning & Weaving (6.90%)
- Pattern Making & Cutting (5.44%)
- Stitching & Pressing (6.90%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

2.75 kg CO₂e

Estimated Offsetting Cost In EUR *

0.28 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

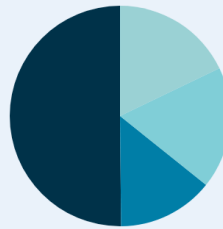
0 €

Process Carbon Footprint

1.73 kg CO₂e

Estimated Offsetting Cost In EUR *

0.17 €



- Yarn Production (50.11%)
- Pattern Making & Cutting (14.08%)
- Spinning & Weaving (17.86%)
- Stitching & Pressing (17.86%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

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