

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU
DRESSES	25AWLOU54829

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	regular	0
Sleeves	long	0.289
Neck	crew	0
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

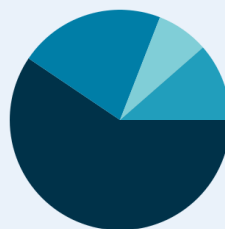
Property Name	Property Value	SQM
Length	calf	0.5658
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

8.19 kg CO₂e

Estimated Offsetting Cost In EUR *

0.82 €



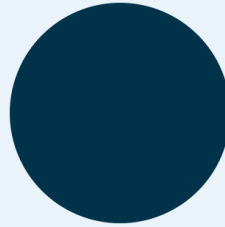
- Raw Material (59.46%)
- Yarn Production (21.48%)
- Fabric Production (7.67%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (11.43%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

4.87 kg CO₂e

Estimated Offsetting Cost In EUR *

0.49 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

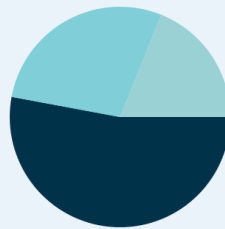
0 €

Process Carbon Footprint

3.32 kg CO₂e

Estimated Offsetting Cost In EUR *

0.33 €



- Yarn Production (52.98%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (28.20%)
- Fabric Production (18.92%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
NETTED LACE	Raw Material	CHINA	High Risk
NETTED LACE	Yarn Production	CHINA	High Risk
NETTED LACE	Fabric Production	CHINA	High Risk
NETTED LACE	Cutting & Stitching	CHINA	High Risk
NETTED LACE	Garment Manufacturing	CHINA	High Risk
NETTED LACE	Finishing & Packaging	CHINA	High Risk
VISCOSE TWILL	Raw Material	CHINA	High Risk
VISCOSE TWILL	Yarn Production	CHINA	High Risk
VISCOSE TWILL	Fabric Production	CHINA	High Risk
VISCOSE TWILL	Cutting & Stitching	CHINA	High Risk
VISCOSE TWILL	Garment Manufacturing	CHINA	High Risk

Layer	Production Phase	Country	Country Risk / Provider
VISCOSE TWILL	Finishing & Packaging	CHINA	High Risk
SHIRRING + BINDING	Raw Material	CHINA	High Risk
SHIRRING + BINDING	Yarn Production	CHINA	High Risk
SHIRRING + BINDING	Fabric Production	CHINA	High Risk
SHIRRING + BINDING	Cutting & Stitching	CHINA	High Risk
SHIRRING + BINDING	Garment Manufacturing	CHINA	High Risk
SHIRRING + BINDING	Finishing & Packaging	CHINA	High Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	868.93	204.94	155.17
Yarn Production	0	163.96	108.62
Fabric Production	0	153.71	116.37
Garment Manufacturing	0	314.81	341.8
Total (Liters)	868.93	837.42	721.96

Land Impact Summary	
Total Land Use (m2)	0.01

NETTED LACE - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Nylon 6	50%	5.5	37.24	204.8199
Polyester China	50%	3.1	136.5466	423.2944
Total	100%	8.6	173.79	628.11

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
Total				0

NETTED LACE - Yarn Production

Process Name	Material	
Carding (CO2e g)	Nylon 6 (CHINA) 9.5967	Polyester China (CHINA) 35.1878
Winding (CO2e g)	Nylon 6 (CHINA) 22.0723	Polyester China (CHINA) 80.9319
Sizing (CO2e g)	Nylon 6 (CHINA) 0.4592	Polyester China (CHINA) 1.6839
Ring Spinning (CO2e g)	Nylon 6 (CHINA) 46.064	Polyester China (CHINA) 168.9014
Warping (CO2e g)	Nylon 6 (CHINA) 1.5614	Polyester China (CHINA) 5.7252
Roving (Co2e g)	Nylon 6 (CHINA) 3.8387	Polyester China (CHINA) 14.0751
Dyeing (CO2e g)	Nylon 6 (CHINA) 11.9402	Polyester China (CHINA) 43.7809
Blowing (CO2e g)	Nylon 6 (CHINA) 8.637	Polyester China (CHINA) 31.669

Process Name	Material	
Drawing (CO2e g)	Nylon 6 (CHINA) 5.758	Polyester China (CHINA) 21.1127
Total	109.92750000000001	403.0679

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
Total				0

NETTED LACE - Cutting & Stitching

Process Name	Material	
Major cutting	Nylon 6 (CHINA) 0.0013	Polyester China (CHINA) 0.0046
Total	0.0013	0.0046

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
Total				0

NETTED LACE - Garment Manufacturing

Process Name	Material	
Garment dyeing (CO2e g)	Nylon 6 (CHINA) 25.3303	Polyester China (CHINA) 92.8776
Finishing Emissions (CO2g)	Nylon 6 (CHINA) 15.4453	Polyester China (CHINA) 56.6327
Laundry Emissions (CO2e g)	Nylon 6 (CHINA) 15.4453	Polyester China (CHINA) 56.6327
Washing & Drying Emissions	Nylon 6 (CHINA) 2.2653	Polyester China (CHINA) 8.3061
Total	58.4862	214.4491

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.3816	40

NETTED LACE - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Nylon 6 (CHINA) 0.0412	Polyester China (CHINA) 0.151
Coating (CO2e g)	Nylon 6 (CHINA) 0	Polyester China (CHINA) 0
Bonding (CO2e g)	Nylon 6 (CHINA) 0.0855	Polyester China (CHINA) 0.3134
Weaving (CO2e g)	Nylon 6 (CHINA) 39.128	Polyester China (CHINA) 143.4695
Total	39.2547	143.93390000000002

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
Total				0

NETTED LACE - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	CHINA	0.0862	1

VISCOSE TWILL - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	248.2665	3609.7954
Total	100%	14.54	248.27	3609.8

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Total				0

VISCOSE TWILL - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 63.9778
Winding (CO2e g)	Viscose generic (CHINA) 147.1489
Sizing (CO2e g)	Viscose generic (CHINA) 3.0616
Ring Spinning (CO2e g)	Viscose generic (CHINA) 307.0934
Warping (CO2e g)	Viscose generic (CHINA) 10.4094
Roving (Co2e g)	Viscose generic (CHINA) 25.5911
Dyeing (CO2e g)	Viscose generic (CHINA) 79.6015
Blowing (CO2e g)	Viscose generic (CHINA) 57.58
Drawing (CO2e g)	Viscose generic (CHINA) 38.3867
Total	732.8504

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Total				0

VISCOSE TWILL - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (CHINA) 0.0083
Total	0.0083

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Total				0

VISCOSE TWILL - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (CHINA) 168.8684
Finishing Emissions (CO2g)	Viscose generic (CHINA) 102.9685
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 102.9685
Washing & Drying Emissions	Viscose generic (CHINA) 15.1021
Total	389.9075

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.3816	40

VISCOSE TWILL - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.2746
Coating (CO2e g)	Viscose generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.5698
Weaving (CO2e g)	Viscose generic (CHINA) 260.8536
Total	261.698

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Total				0

VISCOSE TWILL - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	CHINA	0.0862	1

SHIRRING + BINDING - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Nylon 6	50%	5.5	37.24	204.8199
Polyester China	50%	3.1	136.5466	423.2944
Total	100%	8.6	173.79	628.11

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
Total				0

SHIRRING + BINDING - Yarn Production

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Total				0

SHIRRING + BINDING - Cutting & Stitching

Process Name	Material	
Major cutting	Nylon 6 (CHINA) 0.0013	Polyester China (CHINA) 0.0046
Total	0.0013	0.0046

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	CHINA	CHINA		0
Polyester China	CHINA	CHINA		0
Total				0

SHIRRING + BINDING - Garment Manufacturing

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SHIRRING + BINDING - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
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Polyester China	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	CHINA	0.0862	1

Final Transportation

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Nylon 6	CHINA	UNITED KINGDOM	AIR - 0	0
Polyester China	CHINA	UNITED KINGDOM	AIR - 0	0
Total				0

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