

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
SHIRTS	25AWLOU54899	Women	5%

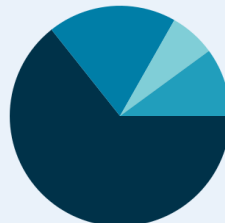
Property Name	Property Value	SQM
Body length	regular	0.7
Fit	regular	0
Sleeves	long	0.31
Neck	classic collar	0.039
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

2.8 kg CO₂e

Estimated Offsetting Cost In EUR *

0.28 €



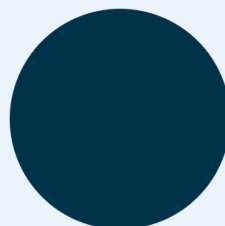
- Raw Material (64.29%)
- Yarn Production (18.87%)
- Fabric Production (6.74%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (10.04%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

1.8 kg CO₂e

Estimated Offsetting Cost In EUR *

0.18 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

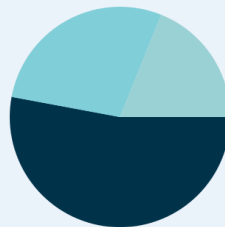
0 €

Process Carbon Footprint

1 kg CO₂e

Estimated Offsetting Cost In EUR *

0.1 €



- Yarn Production (52.84%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (28.11%)
- Fabric Production (18.87%)
- Finishing & Packaging (0.01%)

* 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
VISCOSE TWILL	Finishing & Packaging	CHINA	High Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	368.55	85.58	53.97
Yarn Production	0	68.47	37.78
Fabric Production	0	64.19	40.47
Garment Manufacturing	0	132.05	130.4
Total (Liters)	368.55	350.29	262.62

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	15.795	86.8723
Polyester China	50%	3.1	57.9149	179.5361
Total	100%	8.6	73.71	266.41

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) 4.0703	Polyester China (CHINA) 14.9245
Winding (CO2e g)	Nylon 6 (CHINA) 9.3618	Polyester China (CHINA) 34.3265
Sizing (CO2e g)	Nylon 6 (CHINA) 0.1948	Polyester China (CHINA) 0.7142
Ring Spinning (CO2e g)	Nylon 6 (CHINA) 19.5376	Polyester China (CHINA) 71.6378
Warping (CO2e g)	Nylon 6 (CHINA) 0.6623	Polyester China (CHINA) 2.4283
Roving (Co2e g)	Nylon 6 (CHINA) 1.6281	Polyester China (CHINA) 5.9698
Dyeing (CO2e g)	Nylon 6 (CHINA) 5.0643	Polyester China (CHINA) 18.5692
Blowing (CO2e g)	Nylon 6 (CHINA) 3.6633	Polyester China (CHINA) 13.4321
Drawing (CO2e g)	Nylon 6 (CHINA) 2.4422	Polyester China (CHINA) 8.9547
Total	46.62470000000001	170.9571

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) 0.0005	Polyester China (CHINA) 0.0019
Total	0.0005	0.0019

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) 10.7436	Polyester China (CHINA) 39.3931
Finishing Emissions (CO2g)	Nylon 6 (CHINA) 6.551	Polyester China (CHINA) 24.0202
Laundry Emissions (CO2e g)	Nylon 6 (CHINA) 6.551	Polyester China (CHINA) 24.0202
Washing & Drying Emissions	Nylon 6 (CHINA) 0.9608	Polyester China (CHINA) 3.523
Total	24.806400000000004	90.95649999999999

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

NETTED LACE - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Nylon 6 (CHINA) 0.0175	Polyester China (CHINA) 0.0641
Coating (CO2e g)	Nylon 6 (CHINA) 0	Polyester China (CHINA) 0
Bonding (CO2e g)	Nylon 6 (CHINA) 0.0362	Polyester China (CHINA) 0.1329
Weaving (CO2e g)	Nylon 6 (CHINA) 16.5958	Polyester China (CHINA) 60.8512
Total	16.6495	61.0482

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	105.2998	1531.0586
Total	100%	14.54	105.3	1531.06

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Total				0

VISCOSE TWILL - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 27.1355
Winding (CO2e g)	Viscose generic (CHINA) 62.4117
Sizing (CO2e g)	Viscose generic (CHINA) 1.2985
Ring Spinning (CO2e g)	Viscose generic (CHINA) 130.2506
Warping (CO2e g)	Viscose generic (CHINA) 4.4151
Roving (Co2e g)	Viscose generic (CHINA) 10.8542
Dyeing (CO2e g)	Viscose generic (CHINA) 33.7622
Blowing (CO2e g)	Viscose generic (CHINA) 24.422
Drawing (CO2e g)	Viscose generic (CHINA) 16.2813
Total	310.8311

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) 0.0035
Total	0.0035

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) 71.6238
Finishing Emissions (CO2g)	Viscose generic (CHINA) 43.6731
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 43.6731
Washing & Drying Emissions	Viscose generic (CHINA) 6.4054
Total	165.3754

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

VISCOSE TWILL - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1165
Coating (CO2e g)	Viscose generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.2417
Weaving (CO2e g)	Viscose generic (CHINA) 110.6385
Total	110.99669999999999

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

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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