

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
TOPS	25AWFRI54947	Women	5%

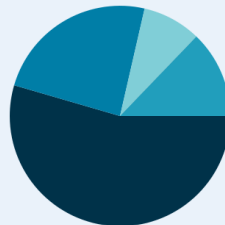
Property Name	Property Value	SQM
Body length	short	0.48
Fit	slim	1.44
Sleeves	long	0.289
Neck	boat	-0.045
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

2.62 kg CO₂e

Estimated Offsetting Cost In EUR *

0.26 €



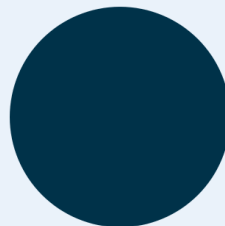
- Raw Material (54.58%)
- Yarn Production (24.12%)
- Fabric Production (8.61%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (12.83%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

1.43 kg CO₂e

Estimated Offsetting Cost In EUR *

0.14 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

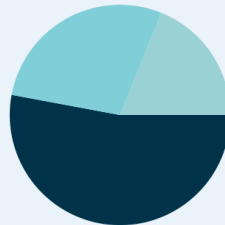
0 €

Process Carbon Footprint

1.19 kg CO₂e

Estimated Offsetting Cost In EUR *

0.12 €



- Yarn Production (53.10%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (28.25%)
- Fabric Production (18.96%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
SATIN BACK CREPE	Raw Material	CHINA	High Risk
SATIN BACK CREPE	Yarn Production	CHINA	High Risk
SATIN BACK CREPE	Fabric Production	CHINA	High Risk
SATIN BACK CREPE	Cutting & Stitching	CHINA	High Risk
SATIN BACK CREPE	Garment Manufacturing	CHINA	High Risk
SATIN BACK CREPE	Finishing & Packaging	CHINA	High Risk
LINING	Raw Material	CHINA	High Risk
LINING	Yarn Production	CHINA	High Risk
LINING	Fabric Production	CHINA	High Risk
LINING	Cutting & Stitching	CHINA	High Risk
LINING	Garment Manufacturing	CHINA	High Risk
LINING	Finishing & Packaging	CHINA	High Risk
FRINGING	Raw Material	CHINA	High Risk
FRINGING	Yarn Production	CHINA	High Risk
FRINGING	Fabric Production	CHINA	High Risk
FRINGING	Cutting & Stitching	CHINA	High Risk
FRINGING	Garment Manufacturing	CHINA	High Risk
FRINGING	Finishing & Packaging	CHINA	High Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	234.13	55.72	48.83
Yarn Production	0	44.58	34.18
Fabric Production	0	41.79	36.62
Garment Manufacturing	0	85.38	100.74
Total (Liters)	234.13	227.47	220.37

Land Impact Summary	
Total Land Use (m2)	0.01

SATIN BACK CREPE - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	100%	3.1	73.5834	228.1084
Total	100%	3.1	73.58	228.11

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

SATIN BACK CREPE - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester China (CHINA) 18.9623
Winding (CO2e g)	Polyester China (CHINA) 43.6133
Sizing (CO2e g)	Polyester China (CHINA) 0.9074
Ring Spinning (CO2e g)	Polyester China (CHINA) 91.019
Warping (CO2e g)	Polyester China (CHINA) 3.0852
Roving (Co2e g)	Polyester China (CHINA) 7.5849
Dyeing (CO2e g)	Polyester China (CHINA) 23.593
Blowing (CO2e g)	Polyester China (CHINA) 17.0661
Drawing (CO2e g)	Polyester China (CHINA) 11.3774
Total	217.2086

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

SATIN BACK CREPE - Cutting & Stitching

Process Name	Material
Major cutting	Polyester China (CHINA) 0.0025
Total	0.0025

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

SATIN BACK CREPE - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyester China (CHINA) 50.0507
Finishing Emissions (CO2g)	Polyester China (CHINA) 30.5187
Laundry Emissions (CO2e g)	Polyester China (CHINA) 30.5187
Washing & Drying Emissions	Polyester China (CHINA) 4.4761
Total	115.5642

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

SATIN BACK CREPE - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester China (CHINA) 0.0814
Coating (CO2e g)	Polyester China (CHINA) 0
Bonding (CO2e g)	Polyester China (CHINA) 0.1689
Weaving (CO2e g)	Polyester China (CHINA) 77.314
Total	77.56429999999999

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

SATIN BACK CREPE - Finishing & Packaging

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

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

LINING - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	100%	3.1	73.5834	228.1084
Total	100%	3.1	73.58	228.11

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

LINING - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester China (CHINA) 18.9623
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Warping (CO2e g)	Polyester China (CHINA) 3.0852
Roving (Co2e g)	Polyester China (CHINA) 7.5849
Dyeing (CO2e g)	Polyester China (CHINA) 23.593
Blowing (CO2e g)	Polyester China (CHINA) 17.0661
Drawing (CO2e g)	Polyester China (CHINA) 11.3774
Total	217.2086

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

LINING - Cutting & Stitching

Process Name	Material
Major cutting	Polyester China (CHINA) 0.0025
Total	0.0025

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

LINING - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyester China (CHINA) 50.0507
Finishing Emissions (CO2g)	Polyester China (CHINA) 30.5187
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Washing & Drying Emissions	Polyester China (CHINA) 4.4761
Total	115.5642

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

LINING - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester China (CHINA) 0.0814
Coating (CO2e g)	Polyester China (CHINA) 0
Bonding (CO2e g)	Polyester China (CHINA) 0.1689
Weaving (CO2e g)	Polyester China (CHINA) 77.314
Total	77.56429999999999

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

LINING - Finishing & Packaging

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

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

FRINGING - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	66.894	972.6382
Total	100%	14.54	66.89	972.64

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

FRINGING - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 17.2384
Winding (CO2e g)	Viscose generic (CHINA) 39.6484
Sizing (CO2e g)	Viscose generic (CHINA) 0.8249
Ring Spinning (CO2e g)	Viscose generic (CHINA) 82.7445
Warping (CO2e g)	Viscose generic (CHINA) 2.8048
Roving (Co2e g)	Viscose generic (CHINA) 6.8954
Dyeing (CO2e g)	Viscose generic (CHINA) 21.4482
Blowing (CO2e g)	Viscose generic (CHINA) 15.5146
Drawing (CO2e g)	Viscose generic (CHINA) 10.3431
Total	197.4623

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

FRINGING - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (CHINA) 0.0022
Total	0.0022

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

FRINGING - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (CHINA) 45.5006
Finishing Emissions (CO2g)	Viscose generic (CHINA) 27.7443
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 27.7443
Washing & Drying Emissions	Viscose generic (CHINA) 4.0692
Total	105.05839999999999

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

FRINGING - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.074
Coating (CO2e g)	Viscose generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.1535
Weaving (CO2e g)	Viscose generic (CHINA) 70.2855
Total	70.513

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

FRINGING - 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
Polyester China	CHINA	UNITED KINGDOM	AIR - 0	0
Total				0

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