

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU
DRESSES	25AWFRI54949

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	short	0.48
Fit	slim	1.44
Sleeves	short	0.09
Neck	crew	0
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

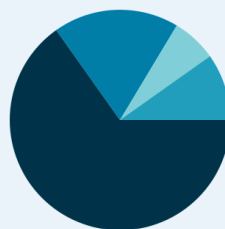
Property Name	Property Value	SQM
Length	short	0.3657
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

7.73 kg CO₂e

Estimated Offsetting Cost In EUR *

0.77 €



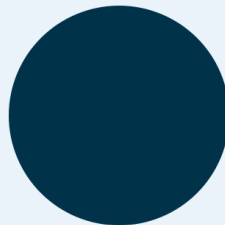
- Raw Material (65.20%)
- Yarn Production (18.43%)
- Fabric Production (6.58%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (9.81%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

5.04 kg CO₂e

Estimated Offsetting Cost In EUR *

0.5 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

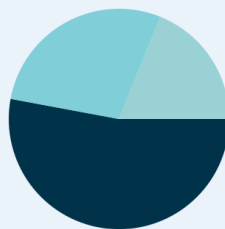
0 €

Process Carbon Footprint

2.69 kg CO₂e

Estimated Offsetting Cost In EUR *

0.27 €



● Yarn Production (52.97%)
● 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
VISCOSE STRETCH CREPE	Raw Material	CHINA	High Risk
VISCOSE STRETCH CREPE	Yarn Production	CHINA	High Risk
VISCOSE STRETCH CREPE	Fabric Production	CHINA	High Risk
VISCOSE STRETCH CREPE	Cutting & Stitching	CHINA	High Risk
VISCOSE STRETCH CREPE	Garment Manufacturing	CHINA	High Risk
VISCOSE STRETCH CREPE	Finishing & Packaging	CHINA	High Risk
VISCOSE SATIN	Raw Material	CHINA	High Risk
VISCOSE SATIN	Yarn Production	CHINA	High Risk
VISCOSE SATIN	Fabric Production	CHINA	High Risk
VISCOSE SATIN	Cutting & Stitching	CHINA	High Risk
VISCOSE SATIN	Garment Manufacturing	CHINA	High Risk

Layer	Production Phase	Country	Country Risk / Provider
VISCOSE SATIN	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	1063.36	253.46	172.88
Yarn Production	0	202.77	121.02
Fabric Production	0	190.1	129.66
Garment Manufacturing	0	388.18	397.37
Total (Liters)	1063.36	1034.51	820.93

Land Impact Summary	
Total Land Use (m2)	0.01

VISCOSE STRETCH CREPE - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	100%	3.1	169.6436	525.8953
Total	100%	3.1	169.64	525.9

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

VISCOSE STRETCH CREPE - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester China (CHINA) 43.7168
Winding (CO2e g)	Polyester China (CHINA) 100.5487
Sizing (CO2e g)	Polyester China (CHINA) 2.092
Ring Spinning (CO2e g)	Polyester China (CHINA) 209.8408
Warping (CO2e g)	Polyester China (CHINA) 7.1129
Roving (Co2e g)	Polyester China (CHINA) 17.4867
Dyeing (CO2e g)	Polyester China (CHINA) 54.3927
Blowing (CO2e g)	Polyester China (CHINA) 39.3451
Drawing (CO2e g)	Polyester China (CHINA) 26.2301
Total	500.7658

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

VISCOSE STRETCH CREPE - Cutting & Stitching

Process Name	Material
Major cutting	Polyester China (CHINA) 0.0057
Total	0.0057

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

VISCOSE STRETCH CREPE - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyester China (CHINA) 115.3899
Finishing Emissions (CO2g)	Polyester China (CHINA) 70.3597
Laundry Emissions (CO2e g)	Polyester China (CHINA) 70.3597
Washing & Drying Emissions	Polyester China (CHINA) 10.3194
Total	266.42869999999994

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.353	37

VISCOSE STRETCH CREPE - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester China (CHINA) 0.1876
Coating (CO2e g)	Polyester China (CHINA) 0
Bonding (CO2e g)	Polyester China (CHINA) 0.3893
Weaving (CO2e g)	Polyester China (CHINA) 178.2446
Total	178.8215

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

VISCOSE STRETCH 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

VISCOSE SATIN - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	97%	14.54	149.5948	2175.1091
Elastane generic	3%	10.7	9.2533	99.0102
Total	100%	25.24	158.85	2274.12

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

VISCOSE SATIN - Yarn Production

Process Name	Material	
Carding (CO2e g)	Viscose generic (CHINA) 38.5503	Elastane generic (CHINA) 2.3846
Winding (CO2e g)	Viscose generic (CHINA) 88.6657	Elastane generic (CHINA) 5.4845
Sizing (CO2e g)	Viscose generic (CHINA) 1.8448	Elastane generic (CHINA) 0.1141
Ring Spinning (CO2e g)	Viscose generic (CHINA) 185.0414	Elastane generic (CHINA) 11.4459
Warping (CO2e g)	Viscose generic (CHINA) 6.2723	Elastane generic (CHINA) 0.388
Roving (Co2e g)	Viscose generic (CHINA) 15.4201	Elastane generic (CHINA) 0.9538
Dyeing (CO2e g)	Viscose generic (CHINA) 47.9645	Elastane generic (CHINA) 2.9669
Blowing (CO2e g)	Viscose generic (CHINA) 34.6953	Elastane generic (CHINA) 2.1461
Drawing (CO2e g)	Viscose generic (CHINA) 23.1302	Elastane generic (CHINA) 1.4307
Total	441.58459999999997	27.314600000000002

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

VISCOSE SATIN - Cutting & Stitching

Process Name	Material	
Major cutting	Viscose generic (CHINA) 0.005	Elastane generic (CHINA) 0.0003
Total	0.005	0.0003

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

VISCOSE SATIN - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Viscose generic (CHINA) 101.7529	Elastane generic (CHINA) 6.294	
Finishing Emissions (CO2g)	Viscose generic (CHINA) 62.0445	Elastane generic (CHINA) 3.8378	
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 62.0445	Elastane generic (CHINA) 3.8378	
Washing & Drying Emissions	Viscose generic (CHINA) 9.0999	Elastane generic (CHINA) 0.5629	
Total	234.94179999999997	14.532499999999999	

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.353	37

VISCOSE SATIN - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1655	Elastane generic (CHINA) 0.0102	
Coating (CO2e g)	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0	
Bonding (CO2e g)	Viscose generic (CHINA) 0.3433	Elastane generic (CHINA) 0.0212	
Weaving (CO2e g)	Viscose generic (CHINA) 157.1793	Elastane generic (CHINA) 9.7224	
Total	157.68810000000002	9.7538	

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

VISCOSE SATIN - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Elastane generic	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	154.2215	2242.3805
Total	100%	14.54	154.22	2242.38

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) 39.7426
Winding (CO2e g)	Viscose generic (CHINA) 91.4079
Sizing (CO2e g)	Viscose generic (CHINA) 1.9018
Ring Spinning (CO2e g)	Viscose generic (CHINA) 190.7643
Warping (CO2e g)	Viscose generic (CHINA) 6.4663
Roving (Co2e g)	Viscose generic (CHINA) 15.897
Dyeing (CO2e g)	Viscose generic (CHINA) 49.4479
Blowing (CO2e g)	Viscose generic (CHINA) 35.7683
Drawing (CO2e g)	Viscose generic (CHINA) 23.8455
Total	455.2416

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) 0.0052
Total	0.0052

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) 104.8999
Finishing Emissions (CO2g)	Viscose generic (CHINA) 63.9634
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 63.9634
Washing & Drying Emissions	Viscose generic (CHINA) 9.3813

Process Name	Material
Total	242.20800000000003

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	0.353	37

FRINGING - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1706
Coating (CO2e g)	Viscose generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.3539
Weaving (CO2e g)	Viscose generic (CHINA) 162.0405
Total	162.565

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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