

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
SKIRTS	25AWFRI54948	Women	5%

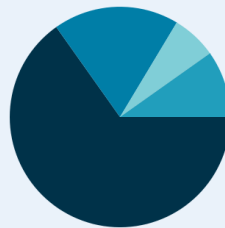
Property Name	Property Value	SQM
Length	knees	0.4761
Rise	regular	0
Shape	circle	324
EU SIZE	S woman	0.18141289437586086

Total Carbon Footprint

6.72 kg CO₂e

Estimated Offsetting Cost In EUR *

0.67 €



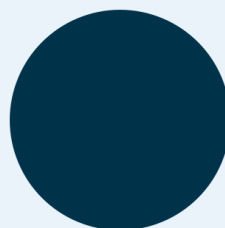
- Raw Material (65.18%)
- Yarn Production (18.43%)
- Fabric Production (6.58%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (9.81%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

4.38 kg CO₂e

Estimated Offsetting Cost In EUR *

0.44 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

0 €

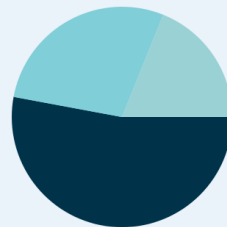
Process Carbon Footprint

2.34

 kg CO₂e

Estimated Offsetting Cost In EUR *

0.23

 €

- Yarn Production (52.91%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (28.16%)
- Fabric Production (18.90%)
- 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
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	924.01	220.25	150.23
Yarn Production	0	176.2	105.16
Fabric Production	0	165.19	112.67
Garment Manufacturing	0	337.31	345.29
Total (Liters)	924.01	898.95	713.35

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	147.4127	456.9795
Total	100%	3.1	147.41	456.98

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) 37.988
Winding (CO2e g)	Polyester China (CHINA) 87.3723
Sizing (CO2e g)	Polyester China (CHINA) 1.8179
Ring Spinning (CO2e g)	Polyester China (CHINA) 182.3422
Warping (CO2e g)	Polyester China (CHINA) 6.1808
Roving (Co2e g)	Polyester China (CHINA) 15.1952
Dyeing (CO2e g)	Polyester China (CHINA) 47.2649
Blowing (CO2e g)	Polyester China (CHINA) 34.1892
Drawing (CO2e g)	Polyester China (CHINA) 22.7928
Total	435.1433

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) 0.005
Total	0.005

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) 100.2687
Finishing Emissions (CO2g)	Polyester China (CHINA) 61.1394
Laundry Emissions (CO2e g)	Polyester China (CHINA) 61.1394
Washing & Drying Emissions	Polyester China (CHINA) 8.9671
Total	231.51459999999997

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	0.2003	21

VISCOSE STRETCH CREPE - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester China (CHINA) 0.163
Coating (CO2e g)	Polyester China (CHINA) 0
Bonding (CO2e g)	Polyester China (CHINA) 0.3383
Weaving (CO2e g)	Polyester China (CHINA) 154.8866
Total	155.38789999999997

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	129.9912	1890.0724

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Elastane generic	3%	10.7	8.0407	86.0354
Total	100%	25.24	138.03	1976.11

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) 33.4985	Elastane generic (CHINA) 2.0721
Winding (CO2e g)	Viscose generic (CHINA) 77.0465	Elastane generic (CHINA) 4.7658
Sizing (CO2e g)	Viscose generic (CHINA) 1.603	Elastane generic (CHINA) 0.0992
Ring Spinning (CO2e g)	Viscose generic (CHINA) 160.7927	Elastane generic (CHINA) 9.9459
Warping (CO2e g)	Viscose generic (CHINA) 5.4503	Elastane generic (CHINA) 0.3371
Roving (Co2e g)	Viscose generic (CHINA) 13.3994	Elastane generic (CHINA) 0.8288
Dyeing (CO2e g)	Viscose generic (CHINA) 41.679	Elastane generic (CHINA) 2.5781
Blowing (CO2e g)	Viscose generic (CHINA) 30.1486	Elastane generic (CHINA) 1.8649
Drawing (CO2e g)	Viscose generic (CHINA) 20.0991	Elastane generic (CHINA) 1.2432
Total	383.71710000000001	23.7351

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) 0.0044	Elastane generic (CHINA) 0.0003
Total	0.0044	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) 88.4187	Elastane generic (CHINA) 5.4692
Finishing Emissions (CO2g)	Viscose generic (CHINA) 53.9139	Elastane generic (CHINA) 3.3349
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 53.9139	Elastane generic (CHINA) 3.3349

Process Name	Material	
Washing & Drying Emissions	Viscose generic (CHINA) 7.9074	Elastane generic (CHINA) 0.4891
Total	204.15390000000002	12.6281

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	0.2003	21

VISCOSE SATIN - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1438	Elastane generic (CHINA) 0.0089
Coating (CO2e g)	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.2983	Elastane generic (CHINA) 0.0185
Weaving (CO2e g)	Viscose generic (CHINA) 136.5818	Elastane generic (CHINA) 8.4484
Total	137.0239	8.4758

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	134.0116	1948.5282
Total	100%	14.54	134.01	1948.53

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) 34.5345
Winding (CO2e g)	Viscose generic (CHINA) 79.4294
Sizing (CO2e g)	Viscose generic (CHINA) 1.6526
Ring Spinning (CO2e g)	Viscose generic (CHINA) 165.7657
Warping (CO2e g)	Viscose generic (CHINA) 5.6189
Roving (Co2e g)	Viscose generic (CHINA) 13.8138
Dyeing (CO2e g)	Viscose generic (CHINA) 42.968
Blowing (CO2e g)	Viscose generic (CHINA) 31.0811
Drawing (CO2e g)	Viscose generic (CHINA) 20.7207
Total	395.58470000000005

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) 0.0045
Total	0.0045

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) 91.1533
Finishing Emissions (CO2g)	Viscose generic (CHINA) 55.5813
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 55.5813
Washing & Drying Emissions	Viscose generic (CHINA) 8.1519
Total	210.4678

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	0.2003	21

FRINGING - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1482
Coating (CO2e g)	Viscose generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.3075
Weaving (CO2e g)	Viscose generic (CHINA) 140.806
Total	141.26170000000002

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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