

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWRID54905

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	slim	1.44
Sleeves	long	0.289
Neck	korean	0.019
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

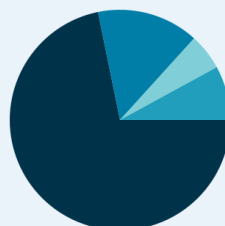
Property Name	Property Value	SQM
Length	calf	0.5658
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

16.94 kg CO₂e

Estimated Offsetting Cost In EUR *

1.69 €



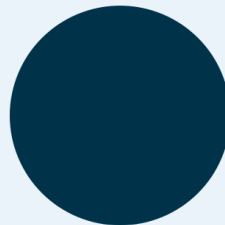
- Raw Material (71.78%)
- Yarn Production (14.92%)
- Fabric Production (5.33%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (7.94%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

12.16 kg CO₂e

Estimated Offsetting Cost In EUR *

1.22 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

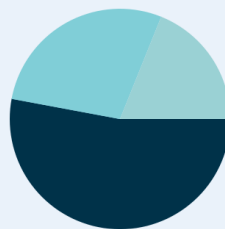
0 €

Process Carbon Footprint

4.78 kg CO₂e

Estimated Offsetting Cost In EUR *

0.48 €



● Yarn Production (52.89%)
● Cutting & Stitching (0.00%)
● Garment Manufacturing (28.14%)
● Fabric Production (18.89%)
● Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
Floral Jacquard	Raw Material	CHINA	High Risk
Floral Jacquard	Yarn Production	CHINA	High Risk
Floral Jacquard	Fabric Production	CHINA	High Risk
Floral Jacquard	Cutting & Stitching	CHINA	High Risk
Floral Jacquard	Garment Manufacturing	CHINA	High Risk
Floral Jacquard	Finishing & Packaging	CHINA	High Risk
22mm Viscose Silk Stretch Double Georgette	Raw Material	CHINA	High Risk
22mm Viscose Silk Stretch Double Georgette	Yarn Production	CHINA	High Risk
22mm Viscose Silk Stretch Double Georgette	Fabric Production	CHINA	High Risk
22mm Viscose Silk Stretch Double Georgette	Cutting & Stitching	CHINA	High Risk
22mm Viscose Silk Stretch Double Georgette	Garment Manufacturing	CHINA	High Risk

Layer	Production Phase	Country	Country Risk / Provider
22mm Viscose Silk Stretch Double Georgette	Finishing & Packaging	CHINA	High Risk
CONTRAST: 100% SILK SATIN	Raw Material	CHINA	High Risk
CONTRAST: 100% SILK SATIN	Yarn Production	CHINA	High Risk
CONTRAST: 100% SILK SATIN	Fabric Production	CHINA	High Risk
CONTRAST: 100% SILK SATIN	Cutting & Stitching	CHINA	High Risk
CONTRAST: 100% SILK SATIN	Garment Manufacturing	CHINA	High Risk
CONTRAST: 100% SILK SATIN	Finishing & Packaging	CHINA	High Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	3324.72	477.77	2222.53
Yarn Production	0	382.22	1555.77
Fabric Production	0	358.34	1666.9
Garment Manufacturing	0	560.88	2800.48
Total (Liters)	3324.72	1779.21	8245.68

Land Impact Summary	
Total Land Use (m2)	0.04

Floral Jacquard - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	53%	3.1	141.6377	439.0769
Metallic fiber	21%	21.1	204.0749	4305.9808
Polyamide	26%	4.6	25.2664	116.2255
Total	100%	28.8	370.98	4861.28

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

Floral Jacquard - Yarn Production

Process Name	Material		
Carding (CO2e g)	Polyester China (CHINA) 36.4998	Metallic fiber (CHINA) 52.5897	Polyamide (CHINA) 6.5111
Winding (CO2e g)	Polyester China (CHINA) 83.9494	Metallic fiber (CHINA) 120.9563	Polyamide (CHINA) 14.9755
Sizing (CO2e g)	Polyester China (CHINA) 1.7467	Metallic fiber (CHINA) 2.5166	Polyamide (CHINA) 0.3116
Ring Spinning (CO2e g)	Polyester China (CHINA) 175.1988	Metallic fiber (CHINA) 252.4306	Polyamide (CHINA) 31.2533

Process Name	Material		
Warping (CO2e g)	Polyester China (CHINA) 5.9387	Metallic fiber (CHINA) 8.5565	Polyamide (CHINA) 1.0594
Roving (Co2e g)	Polyester China (CHINA) 14.5999	Metallic fiber (CHINA) 21.0359	Polyamide (CHINA) 2.6044
Dyeing (CO2e g)	Polyester China (CHINA) 45.4132	Metallic fiber (CHINA) 65.4324	Polyamide (CHINA) 8.1012
Blowing (CO2e g)	Polyester China (CHINA) 32.8498	Metallic fiber (CHINA) 47.3307	Polyamide (CHINA) 5.86
Drawing (CO2e g)	Polyester China (CHINA) 21.8999	Metallic fiber (CHINA) 31.5538	Polyamide (CHINA) 3.9067
Total	418.0962	602.4025	74.58319999999999

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

Floral Jacquard - Cutting & Stitching

Process Name	Material		
Major cutting	Polyester China (CHINA) 0.0048	Metallic fiber (CHINA) 0.0069	Polyamide (CHINA) 0.0008
Total	0.0048	0.0069	0.0008

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

Floral Jacquard - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Polyester China (CHINA) 96.3406	Metallic fiber (CHINA) 138.8097	Polyamide (CHINA) 17.186
Finishing Emissions (CO2g)	Polyester China (CHINA) 58.7442	Metallic fiber (CHINA) 84.6401	Polyamide (CHINA) 10.4792
Laundry Emissions (CO2e g)	Polyester China (CHINA) 58.7442	Metallic fiber (CHINA) 84.6401	Polyamide (CHINA) 10.4792
Washing & Drying Emissions	Polyester China (CHINA) 8.6158	Metallic fiber (CHINA) 12.4139	Polyamide (CHINA) 1.537
Total	222.44480000000001	320.5038	39.6814

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Metallic fiber	CHINA	CHINA		0
Polyamide	CHINA	CHINA		0

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Total				0

Floral Jacquard - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Polyester China (CHINA) 0.1567	Metallic fiber (CHINA) 0.2257	Polyamide (CHINA) 0.0279
Coating (CO2e g)	Polyester China (CHINA) 0	Metallic fiber (CHINA) 0	Polyamide (CHINA) 0
Bonding (CO2e g)	Polyester China (CHINA) 0.3251	Metallic fiber (CHINA) 0.4683	Polyamide (CHINA) 0.058
Weaving (CO2e g)	Polyester China (CHINA) 148.8187	Metallic fiber (CHINA) 214.4215	Polyamide (CHINA) 26.5474
Total	149.3005	215.1155	26.6333

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

Floral Jacquard - Finishing & Packaging

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

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

22mm Viscose Silk Stretch Double Georgette - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk generic	54%	52.5	91.8337	4821.27
Viscose generic	40%	14.54	97.1785	1412.9759
Elastane generic	6%	10.7	29.1536	311.9431
Total	100%	77.74	218.17	6546.19

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

22mm Viscose Silk Stretch Double Georgette - Yarn Production

Process Name	Material		
Carding (CO2e g)	Silk generic (CHINA) 23.6654	Viscose generic (CHINA) 25.0427	Elastane generic (CHINA) 7.5128
Winding (CO2e g)	Silk generic (CHINA) 54.4303	Viscose generic (CHINA) 57.5982	Elastane generic (CHINA) 17.2795
Sizing (CO2e g)	Silk generic (CHINA) 1.1325	Viscose generic (CHINA) 1.1984	Elastane generic (CHINA) 0.3595
Ring Spinning (CO2e g)	Silk generic (CHINA) 113.5937	Viscose generic (CHINA) 120.205	Elastane generic (CHINA) 36.0615
Warping (CO2e g)	Silk generic (CHINA) 3.8504	Viscose generic (CHINA) 4.0745	Elastane generic (CHINA) 1.2224
Roving (Co2e g)	Silk generic (CHINA) 9.4661	Viscose generic (CHINA) 10.0171	Elastane generic (CHINA) 3.0051
Dyeing (CO2e g)	Silk generic (CHINA) 29.4446	Viscose generic (CHINA) 31.1583	Elastane generic (CHINA) 9.3475
Blowing (CO2e g)	Silk generic (CHINA) 21.2988	Viscose generic (CHINA) 22.5384	Elastane generic (CHINA) 6.7615
Drawing (CO2e g)	Silk generic (CHINA) 14.1992	Viscose generic (CHINA) 15.0256	Elastane generic (CHINA) 4.5077
Total	271.081	286.8582	86.0575

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

22mm Viscose Silk Stretch Double Georgette - Cutting & Stitching

Process Name	Material		
Major cutting	Silk generic (CHINA) 0.0031	Viscose generic (CHINA) 0.0033	Elastane generic (CHINA) 0.001
Total	0.0031	0.0033	0.001

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

22mm Viscose Silk Stretch Double Georgette - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Silk generic (CHINA) 62.4644	Viscose generic (CHINA) 66.0999	Elastane generic (CHINA) 19.83
Finishing Emissions (CO2g)	Silk generic (CHINA) 38.088	Viscose generic (CHINA) 40.3048	Elastane generic (CHINA) 12.0914

Process Name	Material		
Laundry Emissions (CO2e g)	Silk generic (CHINA) 38.088	Viscose generic (CHINA) 40.3048	Elastane generic (CHINA) 12.0914
Washing & Drying Emissions	Silk generic (CHINA) 5.5862	Viscose generic (CHINA) 5.9114	Elastane generic (CHINA) 1.7734
Total	144.2266	152.6209	45.7862

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

22mm Viscose Silk Stretch Double Georgette - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.1016	Viscose generic (CHINA) 0.1075	Elastane generic (CHINA) 0.0322
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.2108	Viscose generic (CHINA) 0.223	Elastane generic (CHINA) 0.0669
Weaving (CO2e g)	Silk generic (CHINA) 96.4897	Viscose generic (CHINA) 102.1055	Elastane generic (CHINA) 30.6316
Total	96.8021	102.436	30.7307

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

22mm Viscose Silk Stretch Double Georgette - Finishing & Packaging

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

CONTRAST: 100% SILK SATIN - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester generic	100%	2.8	267.241	748.2747

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Total	100%	2.8	267.24	748.27

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

CONTRAST: 100% SILK SATIN - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester generic (CHINA) 68.8675
Winding (CO2e g)	Polyester generic (CHINA) 158.3952
Sizing (CO2e g)	Polyester generic (CHINA) 3.2956
Ring Spinning (CO2e g)	Polyester generic (CHINA) 330.5638
Warping (CO2e g)	Polyester generic (CHINA) 11.205
Roving (Co2e g)	Polyester generic (CHINA) 27.547
Dyeing (CO2e g)	Polyester generic (CHINA) 85.6853
Blowing (CO2e g)	Polyester generic (CHINA) 61.9807
Drawing (CO2e g)	Polyester generic (CHINA) 41.3205
Total	788.8606000000001

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

CONTRAST: 100% SILK SATIN - Cutting & Stitching

Process Name	Material
Major cutting	Polyester generic (CHINA) 0.009
Total	0.009

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

CONTRAST: 100% SILK SATIN - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyester generic (CHINA) 181.7746
Finishing Emissions (CO2g)	Polyester generic (CHINA) 110.8382
Laundry Emissions (CO2e g)	Polyester generic (CHINA) 110.8382
Washing & Drying Emissions	Polyester generic (CHINA) 16.2563
Total	419.70730000000003

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

CONTRAST: 100% SILK SATIN - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester generic (CHINA) 0.2956
Coating (CO2e g)	Polyester generic (CHINA) 0
Bonding (CO2e g)	Polyester generic (CHINA) 0.6133
Weaving (CO2e g)	Polyester generic (CHINA) 280.7901
Total	281.699

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

CONTRAST: 100% SILK SATIN - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester 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
Metallic fiber	CHINA	UNITED KINGDOM	AIR - 0	0
Polyamide	CHINA	UNITED KINGDOM	AIR - 0	0
Total				0

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