

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWRID52007A

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	slim	1.44
Sleeves	short	0.09
Neck	v neck	-0.016
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

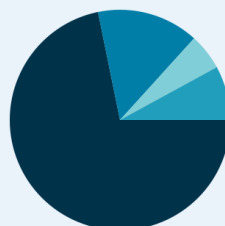
Property Name	Property Value	SQM
Length	long	0.69
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

17.73 kg CO₂e

Estimated Offsetting Cost In EUR *

1.77 €



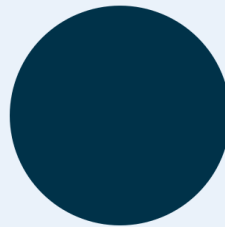
- Raw Material (71.80%)
- Yarn Production (14.93%)
- Fabric Production (5.33%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (7.94%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

12.73 kg CO₂e

Estimated Offsetting Cost In EUR *

1.27 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

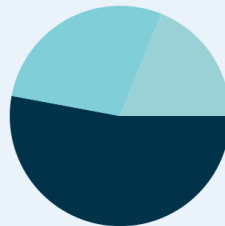
0 €

Process Carbon Footprint

5 kg CO₂e

Estimated Offsetting Cost In EUR *

0.5 €



● Yarn Production (52.94%)
● Cutting & Stitching (0.00%)
● Garment Manufacturing (28.17%)
● 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
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

Layer	Production Phase	Country	Country Risk / Provider
22mm Viscose Silk Stretch Double Georgette	Garment Manufacturing	CHINA	High Risk
22mm Viscose Silk Stretch Double Georgette	Finishing & Packaging	CHINA	High Risk
CONTRAST 1: 100% SILK SATIN; CONTRAST 2: 100% POLYESTER	Raw Material	CHINA	High Risk
CONTRAST 1: 100% SILK SATIN; CONTRAST 2: 100% POLYESTER	Yarn Production	CHINA	High Risk
CONTRAST 1: 100% SILK SATIN; CONTRAST 2: 100% POLYESTER	Fabric Production	CHINA	High Risk
CONTRAST 1: 100% SILK SATIN; CONTRAST 2: 100% POLYESTER	Cutting & Stitching	CHINA	High Risk
CONTRAST 1: 100% SILK SATIN; CONTRAST 2: 100% POLYESTER	Garment Manufacturing	CHINA	High Risk
CONTRAST 1: 100% SILK SATIN; CONTRAST 2: 100% POLYESTER	Finishing & Packaging	CHINA	High Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	3480.99	500.23	2327
Yarn Production	0	400.18	1628.9
Fabric Production	0	375.18	1745.25
Garment Manufacturing	0	587.25	2932.11
Total (Liters)	3480.99	1862.84	8633.26

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	148.2952	459.7151
Metallic fiber	21%	21.1	213.6672	4508.3774
Polyamide	26%	4.6	26.454	121.6885
Total	100%	28.8	388.42	5089.78

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) 38.2154	Metallic fiber (CHINA) 55.0616	Polyamide (CHINA) 6.8172
Winding (CO2e g)	Polyester China (CHINA) 87.8954	Metallic fiber (CHINA) 126.6417	Polyamide (CHINA) 15.6794
Sizing (CO2e g)	Polyester China (CHINA) 1.8288	Metallic fiber (CHINA) 2.6349	Polyamide (CHINA) 0.3262
Ring Spinning (CO2e g)	Polyester China (CHINA) 183.4338	Metallic fiber (CHINA) 264.2957	Polyamide (CHINA) 32.7223
Warping (CO2e g)	Polyester China (CHINA) 6.2178	Metallic fiber (CHINA) 8.9587	Polyamide (CHINA) 1.1092
Roving (Co2e g)	Polyester China (CHINA) 15.2862	Metallic fiber (CHINA) 22.0246	Polyamide (CHINA) 2.7269
Dyeing (CO2e g)	Polyester China (CHINA) 47.5478	Metallic fiber (CHINA) 68.508	Polyamide (CHINA) 8.4819
Blowing (CO2e g)	Polyester China (CHINA) 34.3938	Metallic fiber (CHINA) 49.5554	Polyamide (CHINA) 6.1354
Drawing (CO2e g)	Polyester China (CHINA) 22.9292	Metallic fiber (CHINA) 33.037	Polyamide (CHINA) 4.0903
Total	437.7482	630.71760000000001	78.0888

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) 0.005	Metallic fiber (CHINA) 0.0072	Polyamide (CHINA) 0.0009
Total	0.005	0.0072	0.0009

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) 100.8689	Metallic fiber (CHINA) 145.3343	Polyamide (CHINA) 17.9938
Finishing Emissions (CO2g)	Polyester China (CHINA) 61.5054	Metallic fiber (CHINA) 88.6185	Polyamide (CHINA) 10.9718
Laundry Emissions (CO2e g)	Polyester China (CHINA) 61.5054	Metallic fiber (CHINA) 88.6185	Polyamide (CHINA) 10.9718

Process Name	Material		
Washing & Drying Emissions	Polyester China (CHINA) 9.0208	Metallic fiber (CHINA) 12.9974	Polyamide (CHINA) 1.6092
Total	232.90050000000002	335.56870000000004	41.546600000000005

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
Addition	Zip (cm)	CHINA	0.3244	34

Floral Jacquard - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Polyester China (CHINA) 0.164	Metallic fiber (CHINA) 0.2363	Polyamide (CHINA) 0.0293
Coating (CO2e g)	Polyester China (CHINA) 0	Metallic fiber (CHINA) 0	Polyamide (CHINA) 0
Bonding (CO2e g)	Polyester China (CHINA) 0.3403	Metallic fiber (CHINA) 0.4904	Polyamide (CHINA) 0.0607
Weaving (CO2e g)	Polyester China (CHINA) 155.8138	Metallic fiber (CHINA) 224.5001	Polyamide (CHINA) 27.7953
Total	156.3181	225.2268	27.8853

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	96.1502	5047.887

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	40%	14.54	101.7463	1479.3908
Elastane generic	6%	10.7	30.5239	326.6055
Total	100%	77.74	228.42	6853.88

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) 24.7777	Viscose generic (CHINA) 26.2198	Elastane generic (CHINA) 7.8659
Winding (CO2e g)	Silk generic (CHINA) 56.9888	Viscose generic (CHINA) 60.3056	Elastane generic (CHINA) 18.0917
Sizing (CO2e g)	Silk generic (CHINA) 1.1857	Viscose generic (CHINA) 1.2547	Elastane generic (CHINA) 0.3764
Ring Spinning (CO2e g)	Silk generic (CHINA) 118.9331	Viscose generic (CHINA) 125.8551	Elastane generic (CHINA) 37.7565
Warping (CO2e g)	Silk generic (CHINA) 4.0314	Viscose generic (CHINA) 4.2661	Elastane generic (CHINA) 1.2798
Roving (Co2e g)	Silk generic (CHINA) 9.9111	Viscose generic (CHINA) 10.4879	Elastane generic (CHINA) 3.1464
Dyeing (CO2e g)	Silk generic (CHINA) 30.8286	Viscose generic (CHINA) 32.6228	Elastane generic (CHINA) 9.7869
Blowing (CO2e g)	Silk generic (CHINA) 22.2999	Viscose generic (CHINA) 23.5978	Elastane generic (CHINA) 7.0793
Drawing (CO2e g)	Silk generic (CHINA) 14.8666	Viscose generic (CHINA) 15.7319	Elastane generic (CHINA) 4.7196
Total	283.82289999999995	300.3417	90.1025

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) 0.0032	Viscose generic (CHINA) 0.0034	Elastane generic (CHINA) 0.001
Total	0.0032	0.0034	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) 65.4004	Viscose generic (CHINA) 69.2068	Elastane generic (CHINA) 20.762
Finishing Emissions (CO2g)	Silk generic (CHINA) 39.8783	Viscose generic (CHINA) 42.1993	Elastane generic (CHINA) 12.6598
Laundry Emissions (CO2e g)	Silk generic (CHINA) 39.8783	Viscose generic (CHINA) 42.1993	Elastane generic (CHINA) 12.6598
Washing & Drying Emissions	Silk generic (CHINA) 5.8488	Viscose generic (CHINA) 6.1892	Elastane generic (CHINA) 1.8568
Total	151.00580000000002	159.7946	47.93840000000001

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
Addition	Zip (cm)	CHINA	0.3244	34

22mm Viscose Silk Stretch Double Georgette - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.1063	Viscose generic (CHINA) 0.1125	Elastane generic (CHINA) 0.0338
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.2207	Viscose generic (CHINA) 0.2335	Elastane generic (CHINA) 0.0701
Weaving (CO2e g)	Silk generic (CHINA) 101.025	Viscose generic (CHINA) 106.9048	Elastane generic (CHINA) 32.0714
Total	101.352	107.2508	32.1753

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 1: 100% SILK SATIN; CONTRAST 2: 100% POLYESTER - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester generic	100%	2.8	279.8023	783.4463
Total	100%	2.8	279.8	783.45

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

CONTRAST 1: 100% SILK SATIN; CONTRAST 2: 100% POLYESTER - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester generic (CHINA) 72.1045
Winding (CO2e g)	Polyester generic (CHINA) 165.8403
Sizing (CO2e g)	Polyester generic (CHINA) 3.4505
Ring Spinning (CO2e g)	Polyester generic (CHINA) 346.1015
Warping (CO2e g)	Polyester generic (CHINA) 11.7317
Roving (Co2e g)	Polyester generic (CHINA) 28.8418
Dyeing (CO2e g)	Polyester generic (CHINA) 89.7128
Blowing (CO2e g)	Polyester generic (CHINA) 64.894
Drawing (CO2e g)	Polyester generic (CHINA) 43.2627
Total	825.9398000000001

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

CONTRAST 1: 100% SILK SATIN; CONTRAST 2: 100% POLYESTER - Cutting & Stitching

Process Name	Material
Major cutting	Polyester generic (CHINA) 0.0094

Process Name	Material
Total	0.0094

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

CONTRAST 1: 100% SILK SATIN; CONTRAST 2: 100% POLYESTER - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyester generic (CHINA) 190.3187
Finishing Emissions (CO2g)	Polyester generic (CHINA) 116.048
Laundry Emissions (CO2e g)	Polyester generic (CHINA) 116.048
Washing & Drying Emissions	Polyester generic (CHINA) 17.0204
Total	439.43510000000003

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.3244	34

CONTRAST 1: 100% SILK SATIN; CONTRAST 2: 100% POLYESTER - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester generic (CHINA) 0.3095
Coating (CO2e g)	Polyester generic (CHINA) 0
Bonding (CO2e g)	Polyester generic (CHINA) 0.6421
Weaving (CO2e g)	Polyester generic (CHINA) 293.9882
Total	294.9398

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

CONTRAST 1: 100% SILK SATIN; CONTRAST 2: 100% POLYESTER - 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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