

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWVIN54862

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	regular	0
Sleeves	half	0.14
Neck	v neck	-0.016
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

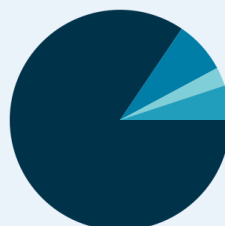
Property Name	Property Value	SQM
Length	long	0.69
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

21.7 kg CO₂e

Estimated Offsetting Cost In EUR *

2.17 €



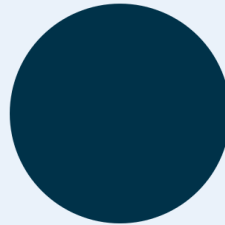
- Raw Material (84.47%)
- Yarn Production (7.72%)
- Fabric Production (2.76%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (5.07%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

18.33 kg CO₂e

Estimated Offsetting Cost In EUR *

1.83 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

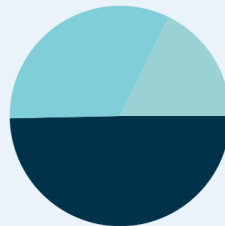
0 €

Process Carbon Footprint

3.37 kg CO₂e

Estimated Offsetting Cost In EUR *

0.34 €



● Yarn Production (49.72%)
● Cutting & Stitching (0.00%)
● Garment Manufacturing (32.63%)
● Fabric Production (17.75%)
● Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
Heavy Crepe Satin	Raw Material	CHINA	High Risk
Heavy Crepe Satin	Yarn Production	CHINA	High Risk
Heavy Crepe Satin	Fabric Production	CHINA	High Risk
Heavy Crepe Satin	Cutting & Stitching	INDIA	High Risk
Heavy Crepe Satin	Garment Manufacturing	INDIA	High Risk
Heavy Crepe Satin	Finishing & Packaging	INDIA	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

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	4312.23	514.84	2072.03
Yarn Production	0	411.87	1450.42
Fabric Production	0	386.13	1554.02
Garment Manufacturing	0	669.02	2722.04
Total (Liters)	4312.23	1981.86	7798.51

Land Impact Summary	
Total Land Use (m2)	0.03

Heavy Crepe Satin - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	67%	14.54	178.6302	2597.2825
Acetate	33%	38	149.5694	5683.6384
Total	100%	52.54	328.2	8280.92

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

Heavy Crepe Satin - Yarn Production

Process Name	Material	
Carding (CO2e g)	Viscose generic (CHINA) 46.0326	Acetate (CHINA) 38.5437
Winding (CO2e g)	Viscose generic (CHINA) 105.8751	Acetate (CHINA) 88.6506
Sizing (CO2e g)	Viscose generic (CHINA) 2.2028	Acetate (CHINA) 1.8445
Ring Spinning (CO2e g)	Viscose generic (CHINA) 220.9566	Acetate (CHINA) 185.01
Warping (CO2e g)	Viscose generic (CHINA) 7.4897	Acetate (CHINA) 6.2712
Roving (Co2e g)	Viscose generic (CHINA) 18.4131	Acetate (CHINA) 15.4175
Dyeing (CO2e g)	Viscose generic (CHINA) 57.2741	Acetate (CHINA) 47.9564
Blowing (CO2e g)	Viscose generic (CHINA) 41.4294	Acetate (CHINA) 34.6894
Drawing (CO2e g)	Viscose generic (CHINA) 27.6196	Acetate (CHINA) 23.1262
Total	527.293	441.50950000000006

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

Heavy Crepe Satin - Cutting & Stitching

Process Name	Material	
Major cutting	Viscose generic (INDIA) 0.0084	Acetate (INDIA) 0.0071
Total	0.0084	0.0071

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

Heavy Crepe Satin - Garment Manufacturing

Process Name	Material	
Garment dyeing (CO2e g)	Viscose generic (INDIA) 170.4989	Acetate (INDIA) 142.761
Finishing Emissions (CO2g)	Viscose generic (INDIA) 103.9628	Acetate (INDIA) 87.0494
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 103.9628	Acetate (INDIA) 87.0494
Washing & Drying Emissions	Viscose generic (INDIA) 15.2479	Acetate (INDIA) 12.7672
Total	393.67240000000004	329.627

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.1717	18

Heavy Crepe Satin - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1976	Acetate (CHINA) 0.1654
Coating (CO2e g)	Viscose generic (CHINA) 0	Acetate (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.4099	Acetate (CHINA) 0.3433
Weaving (CO2e g)	Viscose generic (CHINA) 187.6867	Acetate (CHINA) 157.1526
Total	188.2942	157.6613

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Acetate	CHINA	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

Heavy Crepe Satin - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

22mm Viscose Silk Stretch Double Georgette - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk India	54%	80.9	100.7794	8153.0538
Viscose generic	40%	14.54	106.6449	1550.6164
Elastane generic	6%	10.7	31.9935	342.33
Total	100%	106.14	239.42	10046

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk India	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 India (CHINA) 25.9707	Viscose generic (CHINA) 27.4822	Elastane generic (CHINA) 8.2447
Winding (CO2e g)	Silk India (CHINA) 59.7325	Viscose generic (CHINA) 63.209	Elastane generic (CHINA) 18.9627
Sizing (CO2e g)	Silk India (CHINA) 1.2428	Viscose generic (CHINA) 1.3151	Elastane generic (CHINA) 0.3945
Ring Spinning (CO2e g)	Silk India (CHINA) 124.6591	Viscose generic (CHINA) 131.9144	Elastane generic (CHINA) 39.5743
Warping (CO2e g)	Silk India (CHINA) 4.2255	Viscose generic (CHINA) 4.4715	Elastane generic (CHINA) 1.3414
Roving (Co2e g)	Silk India (CHINA) 10.3883	Viscose generic (CHINA) 10.9929	Elastane generic (CHINA) 3.2979
Dyeing (CO2e g)	Silk India (CHINA) 32.3128	Viscose generic (CHINA) 34.1935	Elastane generic (CHINA) 10.258
Blowing (CO2e g)	Silk India (CHINA) 23.3736	Viscose generic (CHINA) 24.734	Elastane generic (CHINA) 7.4202
Drawing (CO2e g)	Silk India (CHINA) 15.5824	Viscose generic (CHINA) 16.4893	Elastane generic (CHINA) 4.9468
Total	297.4877	314.8019	94.44049999999997

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
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 India (CHINA) 0.0034	Viscose generic (CHINA) 0.0036	Elastane generic (CHINA) 0.0011
Total	0.0034	0.0036	0.0011

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk India	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 India (CHINA) 68.5491	Viscose generic (CHINA) 72.5388	Elastane generic (CHINA) 21.7616
Finishing Emissions (CO2g)	Silk India (CHINA) 41.7983	Viscose generic (CHINA) 44.231	Elastane generic (CHINA) 13.2693
Laundry Emissions (CO2e g)	Silk India (CHINA) 41.7983	Viscose generic (CHINA) 44.231	Elastane generic (CHINA) 13.2693
Washing & Drying Emissions	Silk India (CHINA) 6.1304	Viscose generic (CHINA) 6.4872	Elastane generic (CHINA) 1.9462
Total	158.27609999999999	167.488	50.2464

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk India	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)	INDIA	0.1717	18

22mm Viscose Silk Stretch Double Georgette - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk India (CHINA) 0.1115	Viscose generic (CHINA) 0.1179	Elastane generic (CHINA) 0.0354
Coating (CO2e g)	Silk India (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0

Process Name	Material		
Bonding (CO2e g)	Silk India (CHINA) 0.2313	Viscose generic (CHINA) 0.2447	Elastane generic (CHINA) 0.0734
Weaving (CO2e g)	Silk India (CHINA) 105.8889	Viscose generic (CHINA) 112.0518	Elastane generic (CHINA) 33.6155
Total	106.2317	112.4144	33.7243

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

Final Transportation

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	UNITED KINGDOM	AIR - 0	0
Acetate	CHINA	UNITED KINGDOM	AIR - 0	0
Total				0

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