

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWVIN54859

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	regular	0
Sleeves	long	0.289
Neck	v neck	-0.016
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

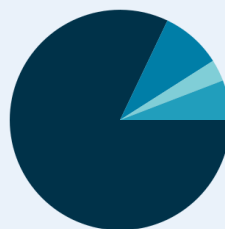
Property Name	Property Value	SQM
Length	long	0.69
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

19.89 kg CO₂e

Estimated Offsetting Cost In EUR *

1.99 €



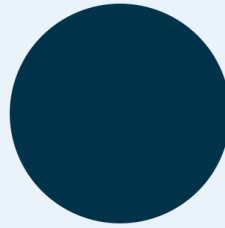
- Raw Material (82.10%)
- Yarn Production (8.90%)
- Fabric Production (3.18%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (5.84%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

16.33 kg CO₂e

Estimated Offsetting Cost In EUR *

1.63 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

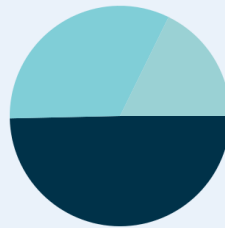
0 €

Process Carbon Footprint

3.56 kg CO₂e

Estimated Offsetting Cost In EUR *

0.36 €



- Yarn Production (49.71%)
- 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	4554.15	543.72	2188.27
Yarn Production	0	434.98	1531.79
Fabric Production	0	407.79	1641.2
Garment Manufacturing	0	706.56	2874.75
Total (Liters)	4554.15	2093.05	8236.01

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	188.6512	2742.9885
Acetate	33%	38	157.9602	6002.4871
Total	100%	52.54	346.61	8745.48

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) 48.615	Acetate (CHINA) 40.706
Winding (CO2e g)	Viscose generic (CHINA) 111.8146	Acetate (CHINA) 93.6239
Sizing (CO2e g)	Viscose generic (CHINA) 2.3264	Acetate (CHINA) 1.9479
Ring Spinning (CO2e g)	Viscose generic (CHINA) 233.3522	Acetate (CHINA) 195.3889
Warping (CO2e g)	Viscose generic (CHINA) 7.9099	Acetate (CHINA) 6.623
Roving (Co2e g)	Viscose generic (CHINA) 19.446	Acetate (CHINA) 16.2824
Dyeing (CO2e g)	Viscose generic (CHINA) 60.4871	Acetate (CHINA) 50.6467
Blowing (CO2e g)	Viscose generic (CHINA) 43.7535	Acetate (CHINA) 36.6354
Drawing (CO2e g)	Viscose generic (CHINA) 29.169	Acetate (CHINA) 24.4236
Total	556.8737	466.2778

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) 0.0089	Acetate (INDIA) 0.0075
Total	0.0089	0.0075

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) 180.0638	Acetate (INDIA) 150.7698
Finishing Emissions (CO2g)	Viscose generic (INDIA) 109.795	Acetate (INDIA) 91.9328
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 109.795	Acetate (INDIA) 91.9328
Washing & Drying Emissions	Viscose generic (INDIA) 16.1033	Acetate (INDIA) 13.4835
Total	415.7571	348.1189

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	0.5724	60

Heavy Crepe Satin - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.2086	Acetate (CHINA) 0.1747
Coating (CO2e g)	Viscose generic (CHINA) 0	Acetate (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.4329	Acetate (CHINA) 0.3625
Weaving (CO2e g)	Viscose generic (CHINA) 198.2158	Acetate (CHINA) 165.9688
Total	198.8573	166.506

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 generic	54%	52.5	106.4331	5587.7361
Viscose generic	40%	14.54	112.6276	1637.6051
Elastane generic	6%	10.7	33.7883	361.5345
Total	100%	77.74	252.85	7586.88

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) 27.4276	Viscose generic (CHINA) 29.0239	Elastane generic (CHINA) 8.7072
Winding (CO2e g)	Silk generic (CHINA) 63.0835	Viscose generic (CHINA) 66.755	Elastane generic (CHINA) 20.0265
Sizing (CO2e g)	Silk generic (CHINA) 1.3125	Viscose generic (CHINA) 1.3889	Elastane generic (CHINA) 0.4167
Ring Spinning (CO2e g)	Silk generic (CHINA) 131.6524	Viscose generic (CHINA) 139.3147	Elastane generic (CHINA) 41.7944
Warping (CO2e g)	Silk generic (CHINA) 4.4626	Viscose generic (CHINA) 4.7223	Elastane generic (CHINA) 1.4167
Roving (Co2e g)	Silk generic (CHINA) 10.971	Viscose generic (CHINA) 11.6096	Elastane generic (CHINA) 3.4829
Dyeing (CO2e g)	Silk generic (CHINA) 34.1256	Viscose generic (CHINA) 36.1117	Elastane generic (CHINA) 10.8335
Blowing (CO2e g)	Silk generic (CHINA) 24.6848	Viscose generic (CHINA) 26.1215	Elastane generic (CHINA) 7.8365
Drawing (CO2e g)	Silk generic (CHINA) 16.4566	Viscose generic (CHINA) 17.4143	Elastane generic (CHINA) 5.2243
Total	314.1766	332.4619	99.73870000000001

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	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 generic (CHINA) 0.0036	Viscose generic (CHINA) 0.0038	Elastane generic (CHINA) 0.0011
Total	0.0036	0.0038	0.0011

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) 72.3947	Viscose generic (CHINA) 76.6082	Elastane generic (CHINA) 22.9824
Finishing Emissions (CO2g)	Silk generic (CHINA) 44.1431	Viscose generic (CHINA) 46.7123	Elastane generic (CHINA) 14.0137
Laundry Emissions (CO2e g)	Silk generic (CHINA) 44.1431	Viscose generic (CHINA) 46.7123	Elastane generic (CHINA) 14.0137
Washing & Drying Emissions	Silk generic (CHINA) 6.4743	Viscose generic (CHINA) 6.8511	Elastane generic (CHINA) 2.0553
Total	167.1552	176.8839	53.0651

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)	INDIA	0.5724	60

22mm Viscose Silk Stretch Double Georgette - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.1177	Viscose generic (CHINA) 0.1246	Elastane generic (CHINA) 0.0374
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0

Process Name	Material		
Bonding (CO2e g)	Silk generic (CHINA) 0.2443	Viscose generic (CHINA) 0.2585	Elastane generic (CHINA) 0.0775
Weaving (CO2e g)	Silk generic (CHINA) 111.8292	Viscose generic (CHINA) 118.3378	Elastane generic (CHINA) 35.5013
Total	112.1912	118.7209	35.6162

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	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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