

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU
DRESSES	25AWPOM54578

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	polo	0.03
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

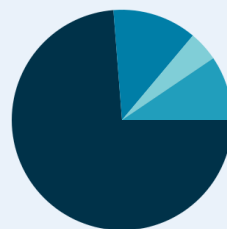
Property Name	Property Value	SQM
Length	calf	0.5658
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

15.02 kg CO_{2e}

Estimated Offsetting Cost In EUR *

1.5 €



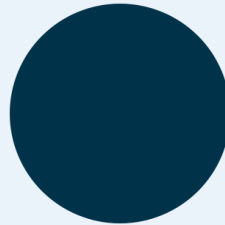
- Raw Material (73.77%)
- Yarn Production (12.36%)
- Fabric Production (4.41%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (9.47%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

11.08 kg CO₂e

Estimated Offsetting Cost In EUR *

1.11 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

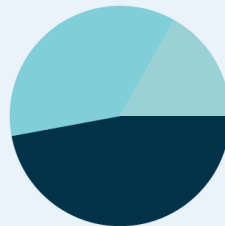
0 €

Process Carbon Footprint

3.94 kg CO₂e

Estimated Offsetting Cost In EUR *

0.39 €



- Yarn Production (47.12%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (36.11%)
- Fabric Production (16.83%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
STRETCH VELVET	Raw Material	CHINA	High Risk
STRETCH VELVET	Yarn Production	CHINA	High Risk
STRETCH VELVET	Fabric Production	CHINA	High Risk
STRETCH VELVET	Cutting & Stitching	CHINA	High Risk
STRETCH VELVET	Garment Manufacturing	CHINA	High Risk
STRETCH VELVET	Finishing & Packaging	CHINA	High Risk
STRETCH SATIN VISCOSE LINING MIX	Raw Material	CHINA	High Risk
STRETCH SATIN VISCOSE LINING MIX	Yarn Production	CHINA	High Risk
STRETCH SATIN VISCOSE LINING MIX	Fabric Production	CHINA	High Risk
STRETCH SATIN VISCOSE LINING MIX	Cutting & Stitching	CHINA	High Risk
STRETCH SATIN VISCOSE LINING MIX	Garment Manufacturing	CHINA	High Risk

Layer	Production Phase	Country	Country Risk / Provider
STRETCH SATIN VISCOSE LINING MIX	Finishing & Packaging	CHINA	High Risk
COTTON PIQUE	Raw Material	SPAIN	Low Risk
COTTON PIQUE	Yarn Production	SPAIN	Low Risk
COTTON PIQUE	Fabric Production	SPAIN	Low Risk
COTTON PIQUE	Cutting & Stitching	CHINA	High Risk
COTTON PIQUE	Garment Manufacturing	CHINA	High Risk
COTTON PIQUE	Finishing & Packaging	CHINA	High Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	5964.08	1043.99	2873.15
Yarn Production	0	835.19	2011.2
Fabric Production	0	782.99	2154.86
Garment Manufacturing	0	1266.12	3732.8
Total (Liters)	5964.08	3928.29	10772.01

Land Impact Summary	
Total Land Use (m2)	0.07

STRETCH VELVET - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	82%	14.54	200.1214	2909.7656
Silk generic	13%	52.5	22.2086	1165.9514
Elastane/Spandex	5%	10.7	23.7949	254.6057
Total	100%	77.74	246.12	4330.32

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

STRETCH VELVET - Yarn Production

Process Name	Material		
Carding (CO2e g)	Viscose generic (CHINA) 51.5709	Silk generic (CHINA) 5.7231	Elastane/Spandex (CHINA) 6.1319
Winding (CO2e g)	Viscose generic (CHINA) 118.6131	Silk generic (CHINA) 13.1632	Elastane/Spandex (CHINA) 14.1034
Sizing (CO2e g)	Viscose generic (CHINA) 2.4679	Silk generic (CHINA) 0.2739	Elastane/Spandex (CHINA) 0.2934
Ring Spinning (CO2e g)	Viscose generic (CHINA) 247.5403	Silk generic (CHINA) 27.4709	Elastane/Spandex (CHINA) 29.4331

Process Name	Material		
Warping (CO2e g)	Viscose generic (CHINA) 8.3908	Silk generic (CHINA) 0.9312	Elastane/Spandex (CHINA) 0.9977
Roving (Co2e g)	Viscose generic (CHINA) 20.6284	Silk generic (CHINA) 2.2892	Elastane/Spandex (CHINA) 2.4528
Dyeing (CO2e g)	Viscose generic (CHINA) 64.1648	Silk generic (CHINA) 7.1207	Elastane/Spandex (CHINA) 7.6294
Blowing (CO2e g)	Viscose generic (CHINA) 46.4138	Silk generic (CHINA) 5.1508	Elastane/Spandex (CHINA) 5.5187
Drawing (CO2e g)	Viscose generic (CHINA) 30.9425	Silk generic (CHINA) 3.4339	Elastane/Spandex (CHINA) 3.6791
Total	590.7325000000001	65.5569	70.2395

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

STRETCH VELVET - Cutting & Stitching

Process Name	Material		
Major cutting	Viscose generic (CHINA) 0.0067	Silk generic (CHINA) 0.0007	Elastane/Spandex (CHINA) 0.0008
Total	0.0067	0.0007	0.0008

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

STRETCH VELVET - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Viscose generic (CHINA) 136.1206	Silk generic (CHINA) 15.1061	Elastane/Spandex (CHINA) 16.1851
Finishing Emissions (CO2g)	Viscose generic (CHINA) 83.0004	Silk generic (CHINA) 9.211	Elastane/Spandex (CHINA) 9.8689
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 83.0004	Silk generic (CHINA) 9.211	Elastane/Spandex (CHINA) 9.8689
Washing & Drying Emissions	Viscose generic (CHINA) 12.1734	Silk generic (CHINA) 1.3509	Elastane/Spandex (CHINA) 1.4474
Total	314.2948	34.879000000000005	37.3703

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Elastane/Spandex	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.353	37

STRETCH VELVET - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.2213	Silk generic (CHINA) 0.0246	Elastane/Spandex (CHINA) 0.0263
Coating (CO2e g)	Viscose generic (CHINA) 0	Silk generic (CHINA) 0	Elastane/Spandex (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.4593	Silk generic (CHINA) 0.051	Elastane/Spandex (CHINA) 0.0546
Weaving (CO2e g)	Viscose generic (CHINA) 210.2676	Silk generic (CHINA) 23.3346	Elastane/Spandex (CHINA) 25.0013
Total	210.94819999999999	23.4102	25.0822

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

STRETCH VELVET - Finishing & Packaging

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

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

STRETCH SATIN VISCOSE LINING MIX - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	52%	14.54	126.9063	1845.2172
Silk generic	33%	52.5	56.3757	2959.7227
Elastane/Spandex	15%	10.7	71.3848	763.8171
Total	100%	77.74	254.67	5568.76

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

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

STRETCH SATIN VISCOSE LINING MIX - Yarn Production

Process Name	Material		
Carding (CO2e g)	Viscose generic (CHINA) 32.7035	Silk generic (CHINA) 14.5279	Elastane/Spandex (CHINA) 18.3957
Winding (CO2e g)	Viscose generic (CHINA) 75.218	Silk generic (CHINA) 33.4142	Elastane/Spandex (CHINA) 42.3101
Sizing (CO2e g)	Viscose generic (CHINA) 1.565	Silk generic (CHINA) 0.6952	Elastane/Spandex (CHINA) 0.8803
Ring Spinning (CO2e g)	Viscose generic (CHINA) 156.9768	Silk generic (CHINA) 69.7339	Elastane/Spandex (CHINA) 88.2994
Warping (CO2e g)	Viscose generic (CHINA) 5.321	Silk generic (CHINA) 2.3637	Elastane/Spandex (CHINA) 2.9931
Roving (Co2e g)	Viscose generic (CHINA) 13.0814	Silk generic (CHINA) 5.8112	Elastane/Spandex (CHINA) 7.3583
Dyeing (CO2e g)	Viscose generic (CHINA) 40.6899	Silk generic (CHINA) 18.0757	Elastane/Spandex (CHINA) 22.8881
Blowing (CO2e g)	Viscose generic (CHINA) 29.4331	Silk generic (CHINA) 13.0751	Elastane/Spandex (CHINA) 16.5561
Drawing (CO2e g)	Viscose generic (CHINA) 19.6221	Silk generic (CHINA) 8.7167	Elastane/Spandex (CHINA) 11.0374
Total	374.61080000000004	166.4136	210.7185

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

STRETCH SATIN VISCOSE LINING MIX - Cutting & Stitching

Process Name	Material		
Major cutting	Viscose generic (CHINA) 0.0043	Silk generic (CHINA) 0.0019	Elastane/Spandex (CHINA) 0.0024
Total	0.0043	0.0019	0.0024

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

STRETCH SATIN VISCOSE LINING MIX - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Viscose generic (CHINA) 86.3204	Silk generic (CHINA) 38.3462	Elastane/Spandex (CHINA) 48.5552
Finishing Emissions (CO2g)	Viscose generic (CHINA) 52.6344	Silk generic (CHINA) 23.3818	Elastane/Spandex (CHINA) 29.6068
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 52.6344	Silk generic (CHINA) 23.3818	Elastane/Spandex (CHINA) 29.6068
Washing & Drying Emissions	Viscose generic (CHINA) 7.7197	Silk generic (CHINA) 3.4293	Elastane/Spandex (CHINA) 4.3423
Total	199.3089	88.5391	112.1111

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.353	37

STRETCH SATIN VISCOSE LINING MIX - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1404	Silk generic (CHINA) 0.0624	Elastane/Spandex (CHINA) 0.079
Coating (CO2e g)	Viscose generic (CHINA) 0	Silk generic (CHINA) 0	Elastane/Spandex (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.2912	Silk generic (CHINA) 0.1294	Elastane/Spandex (CHINA) 0.1638
Weaving (CO2e g)	Viscose generic (CHINA) 133.3404	Silk generic (CHINA) 59.2339	Elastane/Spandex (CHINA) 75.004
Total	133.772	59.4257	75.24680000000001

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

STRETCH SATIN VISCOSE LINING MIX - Finishing & Packaging

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

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

COTTON PIQUE - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton generic	97%	2.62	390.6029	1023.3795
Elastane/Spandex	3%	10.7	14.277	152.7634
Total	100%	13.32	404.88	1176.14

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	SPAIN	SPAIN		0
Elastane/Spandex	SPAIN	SPAIN		0
Total				0

COTTON PIQUE - Yarn Production

Process Name	Material	
Carding (CO2e g)	Cotton generic (SPAIN) 31.8537	Elastane/Spandex (SPAIN) 1.1643
Winding (CO2e g)	Cotton generic (SPAIN) 73.2634	Elastane/Spandex (SPAIN) 2.6779
Sizing (CO2e g)	Cotton generic (SPAIN) 1.5243	Elastane/Spandex (SPAIN) 0.0557
Ring Spinning (CO2e g)	Cotton generic (SPAIN) 152.8976	Elastane/Spandex (SPAIN) 5.5886
Warping (CO2e g)	Cotton generic (SPAIN) 5.1827	Elastane/Spandex (SPAIN) 0.1894
Roving (Co2e g)	Cotton generic (SPAIN) 12.7415	Elastane/Spandex (SPAIN) 0.4657
Dyeing (CO2e g)	Cotton generic (SPAIN) 39.6325	Elastane/Spandex (SPAIN) 1.4486
Blowing (CO2e g)	Cotton generic (SPAIN) 28.6683	Elastane/Spandex (SPAIN) 1.0479
Drawing (CO2e g)	Cotton generic (SPAIN) 19.1122	Elastane/Spandex (SPAIN) 0.6986
Total	364.87619999999999	13.3367

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	SPAIN	SPAIN		0
Elastane/Spandex	SPAIN	SPAIN		0
Total				0

COTTON PIQUE - Cutting & Stitching

Process Name	Material	
Major cutting	Cotton generic (CHINA) 0.0131	Elastane/Spandex (CHINA) 0.0005
Total	0.0131	0.0005

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	CHINA		0
Elastane/Spandex	CHINA	CHINA		0
Total				0

COTTON PIQUE - Garment Manufacturing

Process Name	Material	
Garment dyeing (CO2e g)	Cotton generic (CHINA) 265.6842	Elastane/Spandex (CHINA) 9.711
Finishing Emissions (CO2g)	Cotton generic (CHINA) 162.0025	Elastane/Spandex (CHINA) 5.9214
Laundry Emissions (CO2e g)	Cotton generic (CHINA) 162.0025	Elastane/Spandex (CHINA) 5.9214
Washing & Drying Emissions	Cotton generic (CHINA) 23.7604	Elastane/Spandex (CHINA) 0.8685
Total	613.4496	22.422300000000003

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	CHINA		0
Elastane/Spandex	CHINA	CHINA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.353	37

COTTON PIQUE - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Cotton generic (SPAIN) 0.1367	Elastane/Spandex (SPAIN) 0.005
Coating (CO2e g)	Cotton generic (SPAIN) 0	Elastane/Spandex (SPAIN) 0
Bonding (CO2e g)	Cotton generic (SPAIN) 0.2837	Elastane/Spandex (SPAIN) 0.0104
Weaving (CO2e g)	Cotton generic (SPAIN) 129.8755	Elastane/Spandex (SPAIN) 4.7471
Total	130.2959	4.7624999999999999

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	SPAIN	CHINA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Elastane/Spandex	SPAIN	CHINA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

COTTON PIQUE - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	CHINA	CHINA		0
Elastane/Spandex	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
Viscose generic	CHINA	UNITED KINGDOM	AIR - 0	0
Silk generic	CHINA	UNITED KINGDOM	AIR - 0	0
Elastane/Spandex	CHINA	UNITED KINGDOM	AIR - 0	0
Total				0

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