

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU
DRESSES	25AWPOM54952

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	boat	-0.045
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

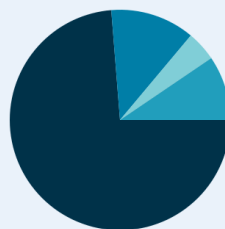
Property Name	Property Value	SQM
Length	knees	0.4761
Shape	tube straight	0
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

8.15 kg CO₂e

Estimated Offsetting Cost In EUR *

0.82 €



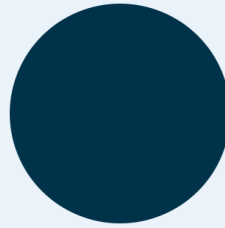
- Raw Material (73.74%)
- Yarn Production (12.37%)
- Fabric Production (4.42%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (9.48%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

6.01 kg CO₂e

Estimated Offsetting Cost In EUR *

0.6 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

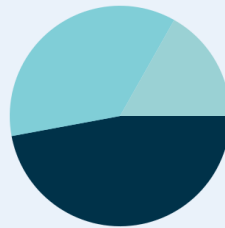
0 €

Process Carbon Footprint

2.14 kg CO₂e

Estimated Offsetting Cost In EUR *

0.21 €



● Yarn Production (47.10%)
● Cutting & Stitching (0.00%)
● Garment Manufacturing (36.11%)
● Fabric Production (16.82%)
● 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 VISCOSE LINING MIX	Raw Material	CHINA	High Risk
STRETCH VISCOSE LINING MIX	Yarn Production	CHINA	High Risk
STRETCH VISCOSE LINING MIX	Fabric Production	CHINA	High Risk
STRETCH VISCOSE LINING MIX	Cutting & Stitching	CHINA	High Risk
STRETCH VISCOSE LINING MIX	Garment Manufacturing	CHINA	High Risk

Layer	Production Phase	Country	Country Risk / Provider
STRETCH 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	3238.34	566.86	1560.04
Yarn Production	0	453.49	1092.03
Fabric Production	0	425.14	1170.03
Garment Manufacturing	0	687.47	2026.81
Total (Liters)	3238.34	2132.96	5848.91

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	108.6607	1579.9269
Silk generic	13%	52.5	12.0587	633.0812
Elastane/Spandex	5%	10.7	12.92	138.2443
Total	100%	77.74	133.64	2351.25

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) 28.0017	Silk generic (CHINA) 3.1075	Elastane/Spandex (CHINA) 3.3295
Winding (CO2e g)	Viscose generic (CHINA) 64.4038	Silk generic (CHINA) 7.1473	Elastane/Spandex (CHINA) 7.6578
Sizing (CO2e g)	Viscose generic (CHINA) 1.34	Silk generic (CHINA) 0.1487	Elastane/Spandex (CHINA) 0.1593
Ring Spinning (CO2e g)	Viscose generic (CHINA) 134.4079	Silk generic (CHINA) 14.916	Elastane/Spandex (CHINA) 15.9814

Process Name	Material		
Warping (CO2e g)	Viscose generic (CHINA) 4.556	Silk generic (CHINA) 0.5056	Elastane/Spandex (CHINA) 0.5417
Roving (Co2e g)	Viscose generic (CHINA) 11.2007	Silk generic (CHINA) 1.243	Elastane/Spandex (CHINA) 1.3318
Dyeing (CO2e g)	Viscose generic (CHINA) 34.8398	Silk generic (CHINA) 3.8664	Elastane/Spandex (CHINA) 4.1425
Blowing (CO2e g)	Viscose generic (CHINA) 25.2015	Silk generic (CHINA) 2.7968	Elastane/Spandex (CHINA) 2.9965
Drawing (CO2e g)	Viscose generic (CHINA) 16.801	Silk generic (CHINA) 1.8645	Elastane/Spandex (CHINA) 1.9977
Total	320.7524	35.5958	38.1382

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) 0.0037	Silk generic (CHINA) 0.0004	Elastane/Spandex (CHINA) 0.0004
Total	0.0037	0.0004	0.0004

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) 73.9099	Silk generic (CHINA) 8.2022	Elastane/Spandex (CHINA) 8.7881
Finishing Emissions (CO2g)	Viscose generic (CHINA) 45.067	Silk generic (CHINA) 5.0013	Elastane/Spandex (CHINA) 5.3586
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 45.067	Silk generic (CHINA) 5.0013	Elastane/Spandex (CHINA) 5.3586
Washing & Drying Emissions	Viscose generic (CHINA) 6.6098	Silk generic (CHINA) 0.7335	Elastane/Spandex (CHINA) 0.7859
Total	170.653700000000001	18.938299999999998	20.2912

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) 0.1202	Silk generic (CHINA) 0.0133	Elastane/Spandex (CHINA) 0.0143
Coating (CO2e g)	Viscose generic (CHINA) 0	Silk generic (CHINA) 0	Elastane/Spandex (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.2494	Silk generic (CHINA) 0.0277	Elastane/Spandex (CHINA) 0.0297
Weaving (CO2e g)	Viscose generic (CHINA) 114.1698	Silk generic (CHINA) 12.6701	Elastane/Spandex (CHINA) 13.5751
Total	114.5394	12.7111	13.619100000000001

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 VISCOSE LINING MIX - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	52%	14.54	68.9068	1001.9049
Silk generic	33%	52.5	30.6105	1607.0524
Elastane/Spandex	15%	10.7	38.7601	414.7328
Total	100%	77.74	138.28	3023.69

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 VISCOSE LINING MIX - Yarn Production

Process Name	Material		
Carding (CO2e g)	Viscose generic (CHINA) 17.7571	Silk generic (CHINA) 7.8883	Elastane/Spandex (CHINA) 9.9884
Winding (CO2e g)	Viscose generic (CHINA) 40.8414	Silk generic (CHINA) 18.143	Elastane/Spandex (CHINA) 22.9733
Sizing (CO2e g)	Viscose generic (CHINA) 0.8498	Silk generic (CHINA) 0.3775	Elastane/Spandex (CHINA) 0.478
Ring Spinning (CO2e g)	Viscose generic (CHINA) 85.2343	Silk generic (CHINA) 37.8637	Elastane/Spandex (CHINA) 47.9443
Warping (CO2e g)	Viscose generic (CHINA) 2.8892	Silk generic (CHINA) 1.2835	Elastane/Spandex (CHINA) 1.6252
Roving (Co2e g)	Viscose generic (CHINA) 7.1029	Silk generic (CHINA) 3.1553	Elastane/Spandex (CHINA) 3.9954
Dyeing (CO2e g)	Viscose generic (CHINA) 22.0935	Silk generic (CHINA) 9.8146	Elastane/Spandex (CHINA) 12.4276
Blowing (CO2e g)	Viscose generic (CHINA) 15.9814	Silk generic (CHINA) 7.0994	Elastane/Spandex (CHINA) 8.9896
Drawing (CO2e g)	Viscose generic (CHINA) 10.6543	Silk generic (CHINA) 4.733	Elastane/Spandex (CHINA) 5.993
Total	203.40390000000002	90.35830000000001	114.4148

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 VISCOSE LINING MIX - Cutting & Stitching

Process Name	Material		
Major cutting	Viscose generic (CHINA) 0.0023	Silk generic (CHINA) 0.001	Elastane/Spandex (CHINA) 0.0013
Total	0.0023	0.001	0.0013

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 VISCOSE LINING MIX - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Viscose generic (CHINA) 46.8697	Silk generic (CHINA) 20.821	Elastane/Spandex (CHINA) 26.3642
Finishing Emissions (CO2g)	Viscose generic (CHINA) 28.5791	Silk generic (CHINA) 12.6957	Elastane/Spandex (CHINA) 16.0757
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 28.5791	Silk generic (CHINA) 12.6957	Elastane/Spandex (CHINA) 16.0757
Washing & Drying Emissions	Viscose generic (CHINA) 4.1916	Silk generic (CHINA) 1.862	Elastane/Spandex (CHINA) 2.3578
Total	108.2195	48.074400000000004	60.873400000000004

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 VISCOSE LINING MIX - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.0762	Silk generic (CHINA) 0.0339	Elastane/Spandex (CHINA) 0.0429
Coating (CO2e g)	Viscose generic (CHINA) 0	Silk generic (CHINA) 0	Elastane/Spandex (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.1581	Silk generic (CHINA) 0.0702	Elastane/Spandex (CHINA) 0.089
Weaving (CO2e g)	Viscose generic (CHINA) 72.4004	Silk generic (CHINA) 32.1625	Elastane/Spandex (CHINA) 40.7252
Total	72.634700000000001	32.266600000000004	40.8571

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 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	212.0872	555.6684
Elastane/Spandex	3%	10.7	7.752	82.9466
Total	100%	13.32	219.84	638.61

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) 17.2957	Elastane/Spandex (SPAIN) 0.6322
Winding (CO2e g)	Cotton generic (SPAIN) 39.7801	Elastane/Spandex (SPAIN) 1.454
Sizing (CO2e g)	Cotton generic (SPAIN) 0.8277	Elastane/Spandex (SPAIN) 0.0303
Ring Spinning (CO2e g)	Cotton generic (SPAIN) 83.0194	Elastane/Spandex (SPAIN) 3.0344
Warping (CO2e g)	Cotton generic (SPAIN) 2.8141	Elastane/Spandex (SPAIN) 0.1029
Roving (Co2e g)	Cotton generic (SPAIN) 6.9183	Elastane/Spandex (SPAIN) 0.2529
Dyeing (CO2e g)	Cotton generic (SPAIN) 21.5194	Elastane/Spandex (SPAIN) 0.7866
Blowing (CO2e g)	Cotton generic (SPAIN) 15.5661	Elastane/Spandex (SPAIN) 0.569
Drawing (CO2e g)	Cotton generic (SPAIN) 10.3774	Elastane/Spandex (SPAIN) 0.3793
Total	198.11819999999997	7.2416

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) 0.0071	Elastane/Spandex (CHINA) 0.0003
Total	0.0071	0.0003

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) 144.2596	Elastane/Spandex (CHINA) 5.2728
Finishing Emissions (CO2g)	Cotton generic (CHINA) 87.9632	Elastane/Spandex (CHINA) 3.2151
Laundry Emissions (CO2e g)	Cotton generic (CHINA) 87.9632	Elastane/Spandex (CHINA) 3.2151
Washing & Drying Emissions	Cotton generic (CHINA) 12.9013	Elastane/Spandex (CHINA) 0.4716
Total	333.0873	12.1746

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) 0.0742	Elastane/Spandex (SPAIN) 0.0027
Coating (CO2e g)	Cotton generic (SPAIN) 0	Elastane/Spandex (SPAIN) 0
Bonding (CO2e g)	Cotton generic (SPAIN) 0.154	Elastane/Spandex (SPAIN) 0.0056
Weaving (CO2e g)	Cotton generic (SPAIN) 70.519	Elastane/Spandex (SPAIN) 2.5775
Total	70.7472	2.5858000000000003

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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