

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
BLAZER	25AWRTE54953	Women	5%

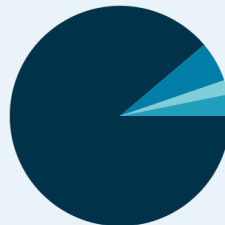
Property Name	Property Value	SQM
Body length	regular	0.66
Fit	regular	0
Pockets	2 flaps	0.0123
Sleeves	regular	0.2624
Front	reverse single breasted one/two bottom	2.56
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

4.35 kg CO₂e

Estimated Offsetting Cost In EUR *

0.44 €



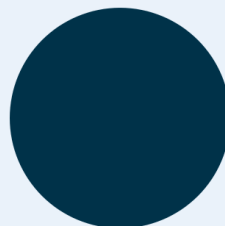
- Raw Material (88.74%)
- Yarn Production (5.91%)
- Fabric Production (2.11%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (3.14%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

3.86 kg CO₂e

Estimated Offsetting Cost In EUR *

0.39 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

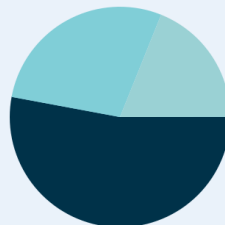
0 €

Process Carbon Footprint

0.49 kg CO₂e

Estimated Offsetting Cost In EUR *

0.05 €



- Yarn Production (52.45%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (27.91%)
- Fabric Production (18.73%)
- Finishing & Packaging (0.02%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
16MM STRETCH SILK SATIN	Raw Material	CHINA	High Risk
16MM STRETCH SILK SATIN	Yarn Production	CHINA	High Risk
16MM STRETCH SILK SATIN	Fabric Production	CHINA	High Risk
16MM STRETCH SILK SATIN	Cutting & Stitching	CHINA	High Risk
16MM STRETCH SILK SATIN	Garment Manufacturing	CHINA	High Risk
16MM STRETCH SILK SATIN	Finishing & Packaging	CHINA	High Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	2277.99	175.23	1226.61
Yarn Production	0	140.18	858.63
Fabric Production	0	131.42	919.96
Garment Manufacturing	0	192.75	1508.73
Total (Liters)	2277.99	639.58	4513.93

Land Impact Summary	
Total Land Use (m2)	0.03

16MM STRETCH SILK SATIN - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk generic	92%	52.5	70.0919	3679.8263
Elastane/Spandex	8%	10.7	16.9788	181.6731
Total	100%	63.2	87.07	3861.5

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

16MM STRETCH SILK SATIN - Yarn Production

Process Name	Material	
Carding (CO2e g)	Silk generic (CHINA) 18.0625	Elastane/Spandex (CHINA) 4.3754
Winding (CO2e g)	Silk generic (CHINA) 41.5439	Elastane/Spandex (CHINA) 10.0634
Sizing (CO2e g)	Silk generic (CHINA) 0.8644	Elastane/Spandex (CHINA) 0.2094
Ring Spinning (CO2e g)	Silk generic (CHINA) 86.7002	Elastane/Spandex (CHINA) 21.0019
Warping (CO2e g)	Silk generic (CHINA) 2.9388	Elastane/Spandex (CHINA) 0.7119
Roving (Co2e g)	Silk generic (CHINA) 7.225	Elastane/Spandex (CHINA) 1.7502
Dyeing (CO2e g)	Silk generic (CHINA) 22.4735	Elastane/Spandex (CHINA) 5.4439
Blowing (CO2e g)	Silk generic (CHINA) 16.2563	Elastane/Spandex (CHINA) 3.9379
Drawing (CO2e g)	Silk generic (CHINA) 10.8375	Elastane/Spandex (CHINA) 2.6252
Total	206.9021	50.1192

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

16MM STRETCH SILK SATIN - Cutting & Stitching

Process Name	Material	
Major cutting	Silk generic (CHINA) 0.0024	Elastane/Spandex (CHINA) 0.0006
Total	0.0024	0.0006

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

16MM STRETCH SILK SATIN - Garment Manufacturing

Process Name	Material	
Garment dyeing (CO2e g)	Silk generic (CHINA) 47.6758	Elastane/Spandex (CHINA) 11.5488
Finishing Emissions (CO2g)	Silk generic (CHINA) 29.0706	Elastane/Spandex (CHINA) 7.042

Process Name	Material	
Laundry Emissions (CO2e g)	Silk generic (CHINA) 29.0706	Elastane/Spandex (CHINA) 7.042
Washing & Drying Emissions	Silk generic (CHINA) 4.2637	Elastane/Spandex (CHINA) 1.0328
Total	110.0807	26.665600000000005

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

16MM STRETCH SILK SATIN - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Silk generic (CHINA) 0.0775	Elastane/Spandex (CHINA) 0.0188
Coating (CO2e g)	Silk generic (CHINA) 0	Elastane/Spandex (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.1609	Elastane/Spandex (CHINA) 0.039
Weaving (CO2e g)	Silk generic (CHINA) 73.6456	Elastane/Spandex (CHINA) 17.8396
Total	73.884	17.8974

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

16MM STRETCH SILK SATIN - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
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

Final Transportation

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

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