

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU	Gender	Wastage Percentage
BLAZER	25AWALX53411	Women	5%

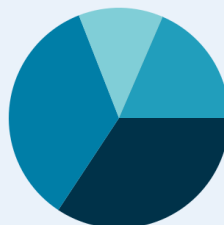
Property Name	Property Value	SQM
Body length	regular	0.656
Fit	slim	0.25
Pockets	2 jetted	0
Sleeves	regular	0.2624
Front	reverse single breasted one/two botton	2.56
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

2.89 kg CO₂e

Estimated Offsetting Cost In EUR *

0.29 €



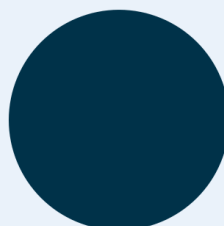
- Raw Material (34.26%)
- Yarn Production (34.76%)
- Fabric Production (12.41%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (18.49%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

0.99 kg CO₂e

Estimated Offsetting Cost In EUR *

0.1 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

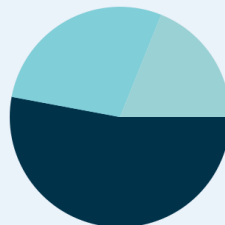
0 €

Process Carbon Footprint

1.9 kg CO₂e

Estimated Offsetting Cost In EUR *

0.19 €



- Yarn Production (52.87%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (28.13%)
- Fabric Production (18.88%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

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

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	0	5.1	51.04
Yarn Production	0	4.08	35.73
Fabric Production	0	3.83	38.28
Garment Manufacturing	0	5.61	62.79
Total (Liters)	0	18.62	187.84

Land Impact Summary	
Total Land Use (m2)	0

Crepe - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	100%	3.1	113.4332	351.6429
Total	100%	3.1	113.43	351.64

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Total				0

Crepe - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester China (CHINA) 29.2315
Winding (CO2e g)	Polyester China (CHINA) 67.2325
Sizing (CO2e g)	Polyester China (CHINA) 1.3988
Ring Spinning (CO2e g)	Polyester China (CHINA) 140.3112
Warping (CO2e g)	Polyester China (CHINA) 4.7561
Roving (Co2e g)	Polyester China (CHINA) 11.6926
Dyeing (CO2e g)	Polyester China (CHINA) 36.37
Blowing (CO2e g)	Polyester China (CHINA) 26.3084
Drawing (CO2e g)	Polyester China (CHINA) 17.5389
Total	334.84000000000003

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Total				0

Crepe - Cutting & Stitching

Process Name	Material
Major cutting	Polyester China (CHINA) 0.0038
Total	0.0038

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Total				0

Crepe - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyester China (CHINA) 77.1561
Finishing Emissions (CO2g)	Polyester China (CHINA) 47.0464
Laundry Emissions (CO2e g)	Polyester China (CHINA) 47.0464
Washing & Drying Emissions	Polyester China (CHINA) 6.9001
Total	178.149

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Total				0

Crepe - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester China (CHINA) 0.1255
Coating (CO2e g)	Polyester China (CHINA) 0
Bonding (CO2e g)	Polyester China (CHINA) 0.2603
Weaving (CO2e g)	Polyester China (CHINA) 119.1843
Total	119.5701

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Total				0

Crepe - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Total				0

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

Lining - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester generic	100%	2.8	113.4332	317.613
Total	100%	2.8	113.43	317.61

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

Lining - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester generic (CHINA) 29.2315
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Total	334.84000000000003

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

Lining - Cutting & Stitching

Process Name	Material
Major cutting	Polyester generic (CHINA) 0.0038
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Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
Total				0

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Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
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Weaving (CO2e g)	Polyester generic (CHINA) 119.1843
Total	119.5701

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

Lining - Finishing & Packaging

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

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

Satin - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester generic	100%	2.8	113.4332	317.613
Total	100%	2.8	113.43	317.61

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

Satin - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester generic (CHINA) 29.2315
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Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester generic	CHINA	CHINA		0
Total				0

Satin - Cutting & Stitching

Process Name	Material
Major cutting	Polyester generic (CHINA) 0.0038
Total	0.0038

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Polyester generic	CHINA	CHINA		0
Total				0

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Total	119.5701

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

Satin - Finishing & Packaging

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

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