

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWGAL54587F

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	crew	0
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

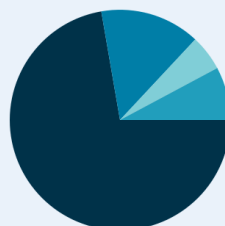
Property Name	Property Value	SQM
Length	calf	0.5658
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

14.98 kg CO₂e

Estimated Offsetting Cost In EUR *

1.5 €



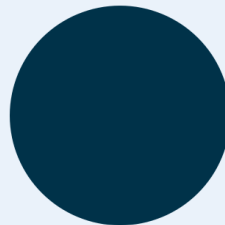
- Raw Material (72.30%)
- Yarn Production (14.68%)
- Fabric Production (5.24%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (7.81%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

10.83 kg CO₂e

Estimated Offsetting Cost In EUR *

1.08 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

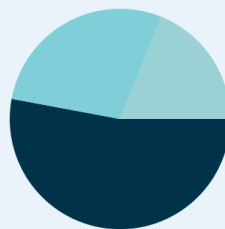
0 €

Process Carbon Footprint

4.15 kg CO₂e

Estimated Offsetting Cost In EUR *

0.42 €



● Yarn Production (52.98%)
● Cutting & Stitching (0.00%)
● Garment Manufacturing (28.19%)
● Fabric Production (18.92%)
● Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
Viscose	Raw Material	CHINA	High Risk
Viscose	Yarn Production	CHINA	High Risk
Viscose	Fabric Production	CHINA	High Risk
Viscose	Cutting & Stitching	CHINA	High Risk
Viscose	Garment Manufacturing	CHINA	High Risk
Viscose	Finishing & Packaging	CHINA	High Risk
Matt Viscose Jersey (Double Face)	Raw Material	CHINA	High Risk
Matt Viscose Jersey (Double Face)	Yarn Production	CHINA	High Risk
Matt Viscose Jersey (Double Face)	Fabric Production	CHINA	High Risk
Matt Viscose Jersey (Double Face)	Cutting & Stitching	CHINA	High Risk
Matt Viscose Jersey (Double Face)	Garment Manufacturing	CHINA	High Risk

Layer	Production Phase	Country	Country Risk / Provider
Matt Viscose Jersey (Double Face)	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	2606.8	595.84	297.92
Yarn Production	0	476.67	208.54
Fabric Production	0	446.88	223.44
Garment Manufacturing	0	923.55	819.28
Total (Liters)	2606.8	2442.94	1549.18

Land Impact Summary	
Total Land Use (m2)	0.01

Viscose - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	248.2665	3609.7954
Total	100%	14.54	248.27	3609.8

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

Viscose - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 63.9778
Winding (CO2e g)	Viscose generic (CHINA) 147.1489
Sizing (CO2e g)	Viscose generic (CHINA) 3.0616
Ring Spinning (CO2e g)	Viscose generic (CHINA) 307.0934
Warping (CO2e g)	Viscose generic (CHINA) 10.4094
Roving (Co2e g)	Viscose generic (CHINA) 25.5911
Dyeing (CO2e g)	Viscose generic (CHINA) 79.6015
Blowing (CO2e g)	Viscose generic (CHINA) 57.58
Drawing (CO2e g)	Viscose generic (CHINA) 38.3867
Total	732.8504

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

Viscose - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (CHINA) 0.0083
Total	0.0083

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

Viscose - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (CHINA) 168.8684
Finishing Emissions (CO2g)	Viscose generic (CHINA) 102.9685
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 102.9685
Washing & Drying Emissions	Viscose generic (CHINA) 15.1021
Total	389.9075

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

Viscose - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.2746
Coating (CO2e g)	Viscose generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.5698
Weaving (CO2e g)	Viscose generic (CHINA) 260.8536
Total	261.698

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

Viscose - Finishing & Packaging

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

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

Matt Viscose Jersey (Double Face) - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	248.2665	3609.7954
Total	100%	14.54	248.27	3609.8

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

Matt Viscose Jersey (Double Face) - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 63.9778
Winding (CO2e g)	Viscose generic (CHINA) 147.1489
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Roving (Co2e g)	Viscose generic (CHINA) 25.5911
Dyeing (CO2e g)	Viscose generic (CHINA) 79.6015
Blowing (CO2e g)	Viscose generic (CHINA) 57.58
Drawing (CO2e g)	Viscose generic (CHINA) 38.3867
Total	732.8504

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

Matt Viscose Jersey (Double Face) - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (CHINA) 0.0083
Total	0.0083

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

Matt Viscose Jersey (Double Face) - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (CHINA) 168.8684
Finishing Emissions (CO2g)	Viscose generic (CHINA) 102.9685

Process Name	Material
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 102.9685
Washing & Drying Emissions	Viscose generic (CHINA) 15.1021
Total	389.9075

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

Matt Viscose Jersey (Double Face) - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.2746
Coating (CO2e g)	Viscose generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.5698
Weaving (CO2e g)	Viscose generic (CHINA) 260.8536
Total	261.698

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

Matt Viscose Jersey (Double Face) - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose 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
Viscose generic	100%	14.54	248.2665	3609.7954
Total	100%	14.54	248.27	3609.8

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

Satin - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 63.9778
Winding (CO2e g)	Viscose generic (CHINA) 147.1489

Process Name	Material
Sizing (CO2e g)	Viscose generic (CHINA) 3.0616
Ring Spinning (CO2e g)	Viscose generic (CHINA) 307.0934
Warping (CO2e g)	Viscose generic (CHINA) 10.4094
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Blowing (CO2e g)	Viscose generic (CHINA) 57.58
Drawing (CO2e g)	Viscose generic (CHINA) 38.3867
Total	732.8504

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

Satin - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (CHINA) 0.0083
Total	0.0083

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

Satin - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (CHINA) 168.8684
Finishing Emissions (CO2g)	Viscose generic (CHINA) 102.9685
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 102.9685
Washing & Drying Emissions	Viscose generic (CHINA) 15.1021
Total	389.9075

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

Satin - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.2746
Coating (CO2e g)	Viscose generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.5698
Weaving (CO2e g)	Viscose generic (CHINA) 260.8536
Total	261.698

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

Satin - Finishing & Packaging

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

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