

Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWGAL54958

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	v neck	-0.016
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

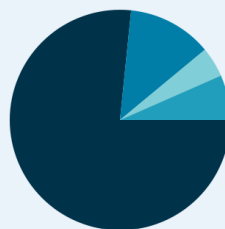
Property Name	Property Value	SQM
Length	long	0.69
Shape	tube straight	0
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

7.3 kg CO₂e

Estimated Offsetting Cost In EUR *

0.73 €



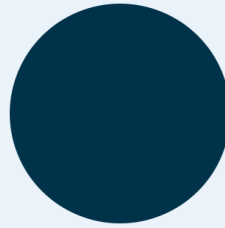
- Raw Material (76.58%)
- Yarn Production (12.37%)
- Fabric Production (4.42%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (6.59%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

5.59 kg CO₂e

Estimated Offsetting Cost In EUR *

0.56 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

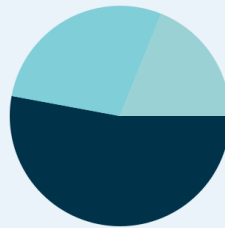
0 €

Process Carbon Footprint

1.71 kg CO₂e

Estimated Offsetting Cost In EUR *

0.17 €



● Yarn Production (52.80%)
● Cutting & Stitching (0.00%)
● Garment Manufacturing (28.13%)
● Fabric Production (18.85%)
● Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

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

Layer	Production Phase	Country	Country Risk / Provider
VISCOSE SILK SATIN LINING	Finishing & Packaging	CHINA	High Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	1919.87	268.43	696.03
Yarn Production	0	214.74	487.22
Fabric Production	0	201.32	522.02
Garment Manufacturing	0	377.17	994.44
Total (Liters)	1919.87	1061.66	2699.71

Land Impact Summary	
Total Land Use (m2)	0.03

Matt Viscose Jersey (Double Face) - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	149.6682	2176.1757
Total	100%	14.54	149.67	2176.18

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) 38.5692
Winding (CO2e g)	Viscose generic (CHINA) 88.7092
Sizing (CO2e g)	Viscose generic (CHINA) 1.8457
Ring Spinning (CO2e g)	Viscose generic (CHINA) 185.1321
Warping (CO2e g)	Viscose generic (CHINA) 6.2754
Roving (Co2e g)	Viscose generic (CHINA) 15.4277
Dyeing (CO2e g)	Viscose generic (CHINA) 47.988
Blowing (CO2e g)	Viscose generic (CHINA) 34.7123
Drawing (CO2e g)	Viscose generic (CHINA) 23.1415
Total	441.80110000000001

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) 0.005
Total	0.005

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) 101.8028
Finishing Emissions (CO2g)	Viscose generic (CHINA) 62.0749
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 62.0749
Washing & Drying Emissions	Viscose generic (CHINA) 9.1043
Total	235.0569

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.6201	65

Matt Viscose Jersey (Double Face) - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1655
Coating (CO2e g)	Viscose generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.3435
Weaving (CO2e g)	Viscose generic (CHINA) 157.2564
Total	157.7654

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

VISCOSE SILK SATIN LINING - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	52%	14.54	77.8275	1131.6114
Silk generic	33%	52.5	34.5734	1815.1012
Elastane/Spandex	15%	10.7	43.778	468.4241
Total	100%	77.74	156.18	3415.14

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

VISCOSE SILK SATIN LINING - Yarn Production

Process Name	Material		
Carding (CO2e g)	Viscose generic (CHINA) 20.056	Silk generic (CHINA) 8.9095	Elastane/Spandex (CHINA) 11.2815
Winding (CO2e g)	Viscose generic (CHINA) 46.1288	Silk generic (CHINA) 20.4918	Elastane/Spandex (CHINA) 25.9474
Sizing (CO2e g)	Viscose generic (CHINA) 0.9598	Silk generic (CHINA) 0.4264	Elastane/Spandex (CHINA) 0.5399
Ring Spinning (CO2e g)	Viscose generic (CHINA) 96.2687	Silk generic (CHINA) 42.7655	Elastane/Spandex (CHINA) 54.1512
Warping (CO2e g)	Viscose generic (CHINA) 3.2632	Silk generic (CHINA) 1.4496	Elastane/Spandex (CHINA) 1.8355
Roving (Co2e g)	Viscose generic (CHINA) 8.0224	Silk generic (CHINA) 3.5638	Elastane/Spandex (CHINA) 4.5126
Dyeing (CO2e g)	Viscose generic (CHINA) 24.9538	Silk generic (CHINA) 11.0852	Elastane/Spandex (CHINA) 14.0365
Blowing (CO2e g)	Viscose generic (CHINA) 18.0504	Silk generic (CHINA) 8.0185	Elastane/Spandex (CHINA) 10.1533
Drawing (CO2e g)	Viscose generic (CHINA) 12.0336	Silk generic (CHINA) 5.3457	Elastane/Spandex (CHINA) 6.7689
Total	229.7367	102.056	129.2268

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

VISCOSE SILK SATIN LINING - Cutting & Stitching

Process Name	Material		
Major cutting	Viscose generic (CHINA) 0.0026	Silk generic (CHINA) 0.0012	Elastane/Spandex (CHINA) 0.0015

Process Name	Material		
Total	0.0026	0.0012	0.0015

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

VISCOSE SILK SATIN LINING - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Viscose generic (CHINA) 52.9375	Silk generic (CHINA) 23.5165	Elastane/Spandex (CHINA) 29.7773
Finishing Emissions (CO2g)	Viscose generic (CHINA) 32.2789	Silk generic (CHINA) 14.3393	Elastane/Spandex (CHINA) 18.1569
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 32.2789	Silk generic (CHINA) 14.3393	Elastane/Spandex (CHINA) 18.1569
Washing & Drying Emissions	Viscose generic (CHINA) 4.7342	Silk generic (CHINA) 2.1031	Elastane/Spandex (CHINA) 2.663
Total	122.22949999999999	54.2982	68.75410000000001

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	0.6201	65

VISCOSE SILK SATIN LINING - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.0861	Silk generic (CHINA) 0.0382	Elastane/Spandex (CHINA) 0.0484
Coating (CO2e g)	Viscose generic (CHINA) 0	Silk generic (CHINA) 0	Elastane/Spandex (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.1786	Silk generic (CHINA) 0.0793	Elastane/Spandex (CHINA) 0.1005
Weaving (CO2e g)	Viscose generic (CHINA) 81.7733	Silk generic (CHINA) 36.3262	Elastane/Spandex (CHINA) 45.9975
Total	82.03800000000001	36.4437	46.1464

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

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Total				0

VISCOSE SILK SATIN LINING - 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

Final Transportation

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

The software tools and services provided by Edmond Climate Network SA (hereinafter referred to as "the Company") are designed to assist users in the calculation and optimization of the carbon footprint of products in the fashion industry. However, the results, data, and recommendations provided by our software are for informational purposes only, with a tolerance of +/-10% and are not intended to constitute professional advice.

By using our software, the user acknowledges and agrees that the Company shall not be held responsible or liable for any direct, indirect, incidental, consequential, or punitive damages, including but not limited to any loss of profits, data, or business interruptions, that may arise from the use, misuse, or reliance on any data or information generated by our tools.

Furthermore, it is the sole responsibility of the user to ensure the accuracy, completeness, and verifiability of all data entered into the Company's software. The Company is not liable for any errors, inaccuracies, or omissions in the input data provided by the user. The user is responsible for ensuring that the data provided for calculation is correct and up-to-date. The Company does not guarantee the accuracy, reliability, or completeness of the results generated from the software, which are contingent upon the input data provided by the user.

The user understands and agrees that the Company provides no warranties, express or implied, regarding the accuracy, applicability, or reliability of the results generated by the software and disclaims any responsibility for the consequences of decisions made based on such results.

By using the software, the user agrees to indemnify and hold harmless the Company, its officers, directors, employees, and agents from any claims, damages, or losses resulting from the misuse of the software or any failure by the user to input correct or verifiable data.

This disclaimer is subject to change without notice, and users are encouraged to review it regularly to stay informed of any updates.

