Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU	Gender	Wastage Percentage
OUTWEAR	25AWGAL54962	Women	5%

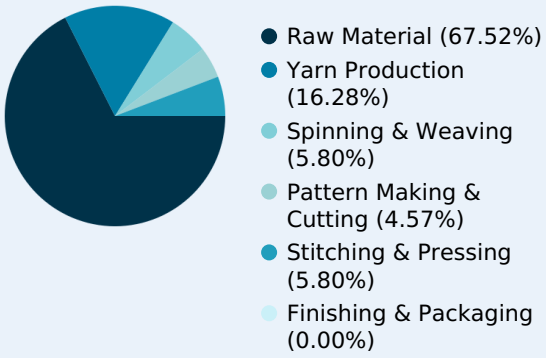
Property Name	Property Value	SQM
Body length	long	0.672
Fit	regular	0
Sleeves	long	0.3
Neck	regular reverse	0.03
Hood	no	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

3.91 kg CO_2e

Estimated Offsetting Cost In EUR *

0.39 €

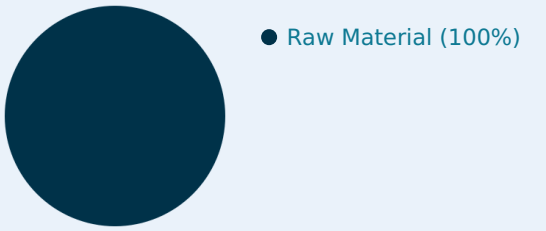


Raw Material Carbon Footprint

2.64 kg CO_2e

Estimated Offsetting Cost In EUR *

0.26 €



Transportation Carbon Footprint

0 kg CO_2e

Estimated Offsetting Cost In EUR *

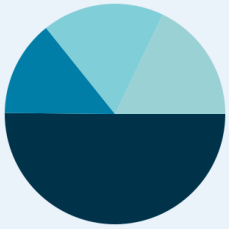
0 €

Process Carbon Footprint

1.27 kg CO_2e

Estimated Offsetting Cost In EUR *

0.13 €



* 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	Spinning & Weaving	CHINA	High Risk
Crepe	Dyeing & Printing	CHINA	High Risk
Crepe	Pattern Making & Cutting	CHINA	High Risk
Crepe	Stitching & Pressing	CHINA	High Risk
Crepe	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	Spinning & Weaving	CHINA	High Risk
VISCOSE SILK SATIN LINING	Dyeing & Printing	CHINA	High Risk
VISCOSE SILK SATIN LINING	Pattern Making & Cutting	CHINA	High Risk
VISCOSE SILK SATIN LINING	Stitching & Pressing	CHINA	High Risk
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	938.18	101.59	444.12
Yarn Production	0	81.27	310.88
Total (Liters)	**938.18**	**182.86**	**755**

Land Impact Summary	
Total Land Use (m2)	**0.03**

Crepe - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	100%	3.1	110.64	342.9841
Total	**100%**	**3.1**	**110.64**	**342.98**

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) 28.5117
Winding (CO2e g)	Polyester China (CHINA) 65.5769
Sizing (CO2e g)	Polyester China (CHINA) 1.3644
Ring Spinning (CO2e g)	Polyester China (CHINA) 136.8562
Warping (CO2e g)	Polyester China (CHINA) 4.639
Roving (Co2e g)	Polyester China (CHINA) 11.4047
Dyeing (CO2e g)	Polyester China (CHINA) 35.4744
Blowing (CO2e g)	Polyester China (CHINA) 25.6605
Drawing (CO2e g)	Polyester China (CHINA) 17.107
Total	**326.5948000000001**

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

Crepe - Pattern Making & Cutting

Process Name	Material
Cutting Emissions	Polyester China (CHINA) 45.888
Pattern Making (CO2e g)	Polyester China (CHINA) 45.888
Total	**91.776**

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

Crepe - Spinning & Weaving

Process Name	Material
Spinning (CO2e g)	Polyester China (CHINA) 116.2495

Process Name	Material
Weaving(CO2e g)	Polyester China (CHINA) 0.1224
Total	**116.3719**

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

Crepe - Stitching & Pressing

Process Name	Material
Stitching(CO2e g)	Polyester China (CHINA) 116.2495
Pressing (CO2e g)	Polyester China (CHINA) 0.1224
Total	**116.3719**

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

VISCOSE SILK SATIN LINING - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	52%	14.54	52.3026	760.4793
Silk generic	33%	52.5	23.2344	1219.8064
Elastane/Spandex	15%	10.7	29.4202	314.7961
Total	**100%**	**77.74**	**104.96**	**2295.08**

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) 13.4783	Silk generic (CHINA) 5.9875	Elastane/Spandex (CHINA) 7.5815

Process Name	Material		
Winding (CO2e g)	Viscose generic (CHINA) 31	Silk generic (CHINA) 13.7712	Elastane/Spandex (CHINA) 17.4375
Sizing (CO2e g)	Viscose generic (CHINA) 0.645	Silk generic (CHINA) 0.2865	Elastane/Spandex (CHINA) 0.3628
Ring Spinning (CO2e g)	Viscose generic (CHINA) 64.6957	Silk generic (CHINA) 28.7398	Elastane/Spandex (CHINA) 36.3913
Warping (CO2e g)	Viscose generic (CHINA) 2.193	Silk generic (CHINA) 0.9742	Elastane/Spandex (CHINA) 1.2335
Roving (Co2e g)	Viscose generic (CHINA) 5.3913	Silk generic (CHINA) 2.395	Elastane/Spandex (CHINA) 3.0326
Dyeing (CO2e g)	Viscose generic (CHINA) 16.7697	Silk generic (CHINA) 7.4496	Elastane/Spandex (CHINA) 9.433
Blowing (CO2e g)	Viscose generic (CHINA) 12.1304	Silk generic (CHINA) 5.3887	Elastane/Spandex (CHINA) 6.8234
Drawing (CO2e g)	Viscose generic (CHINA) 8.087	Silk generic (CHINA) 3.5925	Elastane/Spandex (CHINA) 4.5489
Total	**154.3904**	**68.58500000000001**	**86.8445**

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 - Pattern Making & Cutting

Process Name	Material		
Cutting Emissions	Viscose generic (CHINA) 21.6925	Silk generic (CHINA) 9.6365	Elastane/Spandex (CHINA) 12.202
Pattern Making (CO2e g)	Viscose generic (CHINA) 21.6925	Silk generic (CHINA) 9.6365	Elastane/Spandex (CHINA) 12.202
Total	**43.385**	**19.273**	**24.404**

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 - Spinning & Weaving

Process Name	Material		
Spinning (CO2e g)	Viscose generic (CHINA) 54.9543	Silk generic (CHINA) 24.4124	Elastane/Spandex (CHINA) 30.9118
Weaving(CO2e g)	Viscose generic (CHINA) 0.0578	Silk generic (CHINA) 0.0257	Elastane/Spandex (CHINA) 0.0325
Total	**55.012100000000004**	**24.438100000000002**	**30.9443**

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 - Stitching & Pressing

Process Name	Material		
Stitching(CO2e g)	Viscose generic (CHINA) 54.9543	Silk generic (CHINA) 24.4124	Elastane/Spandex (CHINA) 30.9118
Pressing (CO2e g)	Viscose generic (CHINA) 0.0578	Silk generic (CHINA) 0.0257	Elastane/Spandex (CHINA) 0.0325
Total	**55.012100000000004**	**24.438100000000002**	**30.9443**

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 - 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
Polyester China	CHINA	UNITED KINGDOM	AIR - 0	0
Total				**0**

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