Product Carbon Footprint Calculation Results

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Product	SKU
DRESSES	25AWRTE54954

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	polo	0.03
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

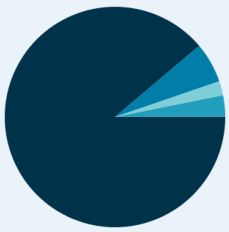
Property Name	Property Value	SQM
Length	long	0.69
Shape	tube straight	0
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

6.16 kg CO_2e

Estimated Offsetting Cost In EUR *

0.62 €



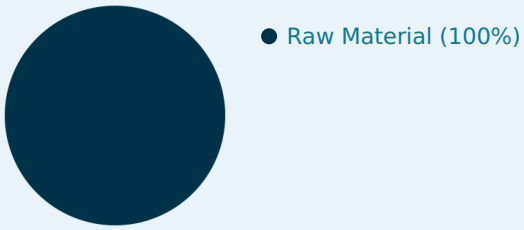
- Raw Material (88.80%)
- Yarn Production (5.91%)
- Fabric Production (2.11%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (3.15%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

5.47 kg CO_2e

Estimated Offsetting Cost In EUR *

0.55 €



Transportation Carbon Footprint

0 kg CO_2e

Estimated Offsetting Cost In EUR *

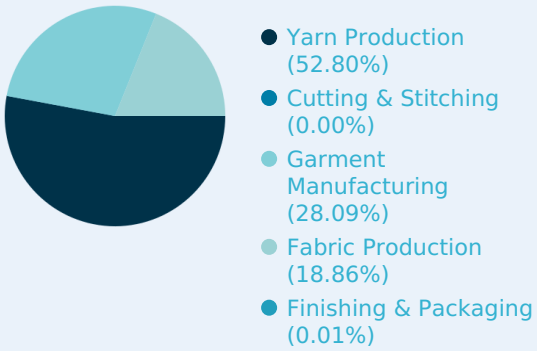
0 €

Process Carbon Footprint

0.69 kg CO_2e

Estimated Offsetting Cost In EUR *

0.07 €



* 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	3229.2	248.4	1738.8
Yarn Production	0	198.72	1217.16

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Fabric Production	0	186.3	1304.1
Garment Manufacturing	0	273.24	2138.72
Total (Liters)	**3229.2**	**906.66**	**6398.78**

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	99.36	5216.4008
Elastane/Spandex	8%	10.7	24.0686	257.5338
Total	**100%**	**63.2**	**123.43**	**5473.93**

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) 25.6049	Elastane/Spandex (CHINA) 6.2024
Winding (CO2e g)	Silk generic (CHINA) 58.8912	Elastane/Spandex (CHINA) 14.2656
Sizing (CO2e g)	Silk generic (CHINA) 1.2253	Elastane/Spandex (CHINA) 0.2968
Ring Spinning (CO2e g)	Silk generic (CHINA) 122.9034	Elastane/Spandex (CHINA) 29.7716
Warping (CO2e g)	Silk generic (CHINA) 4.166	Elastane/Spandex (CHINA) 1.0092
Roving (Co2e g)	Silk generic (CHINA) 10.242	Elastane/Spandex (CHINA) 2.481
Dyeing (CO2e g)	Silk generic (CHINA) 31.8577	Elastane/Spandex (CHINA) 7.7171
Blowing (CO2e g)	Silk generic (CHINA) 23.0444	Elastane/Spandex (CHINA) 5.5822
Drawing (CO2e g)	Silk generic (CHINA) 15.3629	Elastane/Spandex (CHINA) 3.7215
Total	**293.2978**	**71.04740000000001**

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) 0.0033	Elastane/Spandex (CHINA) 0.0008
Total	**0.0033**	**0.0008**

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) 67.5837	Elastane/Spandex (CHINA) 16.3712
Finishing Emissions (CO2g)	Silk generic (CHINA) 41.2096	Elastane/Spandex (CHINA) 9.9824
Laundry Emissions (CO2e g)	Silk generic (CHINA) 41.2096	Elastane/Spandex (CHINA) 9.9824
Washing & Drying Emissions	Silk generic (CHINA) 6.0441	Elastane/Spandex (CHINA) 1.4641
Total	**156.04699999999997**	**37.8001**

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) 0.1099	Elastane/Spandex (CHINA) 0.0266
Coating (CO2e g)	Silk generic (CHINA) 0	Elastane/Spandex (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.228	Elastane/Spandex (CHINA) 0.0552
Weaving (CO2e g)	Silk generic (CHINA) 104.3976	Elastane/Spandex (CHINA) 25.2889
Total	**104.7355**	**25.370700000000003**

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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