

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
TOPS	25AWCOV53421	Women	5%

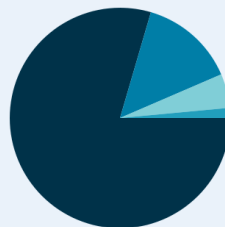
Property Name	Property Value	SQM
Body length	short	0.48
Fit	slim	1.44
Sleeves	no sleeves	0
Neck	deep v neck	-0.029
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

2.18 kg CO₂e

Estimated Offsetting Cost In EUR *

0.22 €



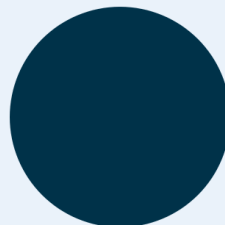
- Raw Material (79.36%)
- Yarn Production (13.97%)
- Fabric Production (4.99%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (1.48%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

1.73 kg CO₂e

Estimated Offsetting Cost In EUR *

0.17 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

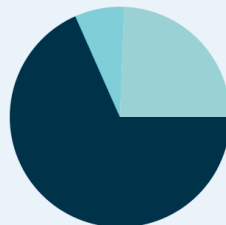
0 €

Process Carbon Footprint

0.45 kg CO₂e

Estimated Offsetting Cost In EUR *

0.05 €



- Yarn Production (67.68%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (7.15%)
- Fabric Production (24.17%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
STRETCH COTTON VISCOSE VELVET	Raw Material	ITALY	Moderate Risk
STRETCH COTTON VISCOSE VELVET	Yarn Production	ITALY	Moderate Risk
STRETCH COTTON VISCOSE VELVET	Fabric Production	ITALY	Moderate Risk
STRETCH COTTON VISCOSE VELVET	Cutting & Stitching	LITHUANIA	Moderate Risk
STRETCH COTTON VISCOSE VELVET	Garment Manufacturing	LITHUANIA	Moderate Risk
STRETCH COTTON VISCOSE VELVET	Finishing & Packaging	LITHUANIA	Moderate Risk
T-LOGO LINING	Raw Material	CHINA	High Risk
T-LOGO LINING	Yarn Production	CHINA	High Risk
T-LOGO LINING	Fabric Production	CHINA	High Risk
T-LOGO LINING	Cutting & Stitching	LITHUANIA	Moderate Risk
T-LOGO LINING	Garment Manufacturing	LITHUANIA	Moderate Risk
T-LOGO LINING	Finishing & Packaging	LITHUANIA	Moderate Risk
Viscose Silk Satin	Raw Material	CHINA	High Risk
Viscose Silk Satin	Yarn Production	CHINA	High Risk
Viscose Silk Satin	Fabric Production	CHINA	High Risk
Viscose Silk Satin	Cutting & Stitching	LITHUANIA	Moderate Risk
Viscose Silk Satin	Garment Manufacturing	LITHUANIA	Moderate Risk
Viscose Silk Satin	Finishing & Packaging	LITHUANIA	Moderate Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	830.53	152.83	350.08
Yarn Production	0	122.26	245.05
Fabric Production	0	114.62	262.56
Garment Manufacturing	0	195.83	477.42
Total (Liters)	830.53	585.54	1335.11

Land Impact Summary	
Total Land Use (m2)	0.05

STRETCH COTTON VISCOSE VELVET - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton generic	70%	2.62	45.6109	119.5005
Viscose generic	28%	14.54	11.0572	160.7714
Elastane/Spandex	2%	10.7	1.5401	16.4791
Total	100%	27.86	58.21	296.75

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Elastane/Spandex	ITALY	ITALY		0
Total				0

STRETCH COTTON VISCOSE VELVET - Yarn Production

Process Name	Material		
Carding (CO2e g)	Cotton generic (ITALY) 5.675	Viscose generic (ITALY) 1.3758	Elastane/Spandex (ITALY) 0.1916
Winding (CO2e g)	Cotton generic (ITALY) 13.0525	Viscose generic (ITALY) 3.1642	Elastane/Spandex (ITALY) 0.4407
Sizing (CO2e g)	Cotton generic (ITALY) 0.2716	Viscose generic (ITALY) 0.0658	Elastane/Spandex (ITALY) 0.0092
Ring Spinning (CO2e g)	Cotton generic (ITALY) 27.24	Viscose generic (ITALY) 6.6036	Elastane/Spandex (ITALY) 0.9198
Warping (CO2e g)	Cotton generic (ITALY) 0.9233	Viscose generic (ITALY) 0.2238	Elastane/Spandex (ITALY) 0.0312
Roving (Co2e g)	Cotton generic (ITALY) 2.27	Viscose generic (ITALY) 0.5503	Elastane/Spandex (ITALY) 0.0766
Dyeing (CO2e g)	Cotton generic (ITALY) 7.0609	Viscose generic (ITALY) 1.7117	Elastane/Spandex (ITALY) 0.2384
Blowing (CO2e g)	Cotton generic (ITALY) 5.1075	Viscose generic (ITALY) 1.2382	Elastane/Spandex (ITALY) 0.1725
Drawing (CO2e g)	Cotton generic (ITALY) 3.405	Viscose generic (ITALY) 0.8255	Elastane/Spandex (ITALY) 0.115
Total	65.0058	15.758900000000002	2.195

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Elastane/Spandex	ITALY	ITALY		0
Total				0

STRETCH COTTON VISCOSE VELVET - Cutting & Stitching

Process Name	Material		
Major cutting	Cotton generic (LITHUANIA) 0.0002	Viscose generic (LITHUANIA) 0.0001	Elastane/Spandex (LITHUANIA) 0
Total	0.0002	0.0001	0

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	LITHUANIA	LITHUANIA		0
Viscose generic	LITHUANIA	LITHUANIA		0
Elastane/Spandex	LITHUANIA	LITHUANIA		0
Total				0

STRETCH COTTON VISCOSE VELVET - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Cotton generic (LITHUANIA) 4.7686	Viscose generic (LITHUANIA) 1.156	Elastane/Spandex (LITHUANIA) 0.161
Finishing Emissions (CO2g)	Cotton generic (LITHUANIA) 2.9077	Viscose generic (LITHUANIA) 0.7049	Elastane/Spandex (LITHUANIA) 0.0982
Laundry Emissions (CO2e g)	Cotton generic (LITHUANIA) 2.9077	Viscose generic (LITHUANIA) 0.7049	Elastane/Spandex (LITHUANIA) 0.0982
Washing & Drying Emissions	Cotton generic (LITHUANIA) 0.4265	Viscose generic (LITHUANIA) 0.1034	Elastane/Spandex (LITHUANIA) 0.0144
Total	11.0105	2.6692	0.3718

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	LITHUANIA	LITHUANIA		0
Viscose generic	LITHUANIA	LITHUANIA		0
Elastane/Spandex	LITHUANIA	LITHUANIA		0
Total				0

STRETCH COTTON VISCOSE VELVET - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Cotton generic (ITALY) 0.0244	Viscose generic (ITALY) 0.0059	Elastane/Spandex (ITALY) 0.0008
Coating (CO2e g)	Cotton generic (ITALY) 0	Viscose generic (ITALY) 0	Elastane/Spandex (ITALY) 0
Bonding (CO2e g)	Cotton generic (ITALY) 0.0505	Viscose generic (ITALY) 0.0123	Elastane/Spandex (ITALY) 0.0017
Weaving (CO2e g)	Cotton generic (ITALY) 23.1384	Viscose generic (ITALY) 5.6093	Elastane/Spandex (ITALY) 0.7813

Process Name	Material
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Total	23.2133	5.6275	0.7837999999999999
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Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	LITHUANIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Viscose generic	ITALY	LITHUANIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Elastane/Spandex	ITALY	LITHUANIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

STRETCH COTTON VISCOSE VELVET - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	LITHUANIA	LITHUANIA		0
Viscose generic	LITHUANIA	LITHUANIA		0
Elastane/Spandex	LITHUANIA	LITHUANIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	LITHUANIA	0.0132	1

T-LOGO LINING - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	39.4899	574.1835
Total	100%	14.54	39.49	574.18

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

T-LOGO LINING - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 10.1765
Winding (CO2e g)	Viscose generic (CHINA) 23.4059
Sizing (CO2e g)	Viscose generic (CHINA) 0.487
Ring Spinning (CO2e g)	Viscose generic (CHINA) 48.8471
Warping (CO2e g)	Viscose generic (CHINA) 1.6558
Roving (Co2e g)	Viscose generic (CHINA) 4.0706

Process Name	Material
Dyeing (CO2e g)	Viscose generic (CHINA) 12.6616
Blowing (CO2e g)	Viscose generic (CHINA) 9.1588
Drawing (CO2e g)	Viscose generic (CHINA) 6.1059
Total	116.5692

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

T-LOGO LINING - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (LITHUANIA) 0.0002
Total	0.0002

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

T-LOGO LINING - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (LITHUANIA) 4.1287
Finishing Emissions (CO2g)	Viscose generic (LITHUANIA) 2.5175
Laundry Emissions (CO2e g)	Viscose generic (LITHUANIA) 2.5175
Washing & Drying Emissions	Viscose generic (LITHUANIA) 0.3692
Total	9.5329

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

T-LOGO LINING - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.0437
Coating (CO2e g)	Viscose generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.0906
Weaving (CO2e g)	Viscose generic (CHINA) 41.4921
Total	41.626400000000004

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
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Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	LITHUANIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

T-LOGO LINING - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	LITHUANIA	0.0132	1

Viscose Silk Satin - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	67%	14.54	26.4582	384.7029
Silk generic	33%	52.5	9.1222	478.914
Total	100%	67.04	35.58	863.62

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

Viscose Silk Satin - Yarn Production

Process Name	Material	
Carding (CO2e g)	Viscose generic (CHINA) 6.8182	Silk generic (CHINA) 2.3508
Winding (CO2e g)	Viscose generic (CHINA) 15.6819	Silk generic (CHINA) 5.4068
Sizing (CO2e g)	Viscose generic (CHINA) 0.3263	Silk generic (CHINA) 0.1125
Ring Spinning (CO2e g)	Viscose generic (CHINA) 32.7275	Silk generic (CHINA) 11.2837
Warping (CO2e g)	Viscose generic (CHINA) 1.1094	Silk generic (CHINA) 0.3825
Roving (Co2e g)	Viscose generic (CHINA) 2.7273	Silk generic (CHINA) 0.9403
Dyeing (CO2e g)	Viscose generic (CHINA) 8.4833	Silk generic (CHINA) 2.9248
Blowing (CO2e g)	Viscose generic (CHINA) 6.1364	Silk generic (CHINA) 2.1157
Drawing (CO2e g)	Viscose generic (CHINA) 4.0909	Silk generic (CHINA) 1.4105
Total	78.10119999999999	26.9276

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

Viscose Silk Satin - Cutting & Stitching

Process Name	Material	
Major cutting	Viscose generic (LITHUANIA) 0.0001	Silk generic (LITHUANIA) 0
Total	0.0001	0

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

Viscose Silk Satin - Garment Manufacturing

Process Name	Material	
Garment dyeing (CO2e g)	Viscose generic (LITHUANIA) 2.7662	Silk generic (LITHUANIA) 0.9537
Finishing Emissions (CO2g)	Viscose generic (LITHUANIA) 1.6867	Silk generic (LITHUANIA) 0.5815
Laundry Emissions (CO2e g)	Viscose generic (LITHUANIA) 1.6867	Silk generic (LITHUANIA) 0.5815
Washing & Drying Emissions	Viscose generic (LITHUANIA) 0.2474	Silk generic (LITHUANIA) 0.0853
Total	6.387	2.2020000000000004

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

Viscose Silk Satin - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.0293	Silk generic (CHINA) 0.0101
Coating (CO2e g)	Viscose generic (CHINA) 0	Silk generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.0607	Silk generic (CHINA) 0.0209
Weaving (CO2e g)	Viscose generic (CHINA) 27.7997	Silk generic (CHINA) 9.5847
Total	27.8897	9.6157

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	LITHUANIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Silk generic	CHINA	LITHUANIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

Viscose Silk Satin - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	LITHUANIA	0.0132	1

Final Transportation

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	LITHUANIA	UNITED KINGDOM	AIR - 0	0
Viscose generic	LITHUANIA	UNITED KINGDOM	AIR - 0	0
Elastane/Spandex	LITHUANIA	UNITED KINGDOM	AIR - 0	0
Total				0

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