Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

Product	SKU
DRESSES	25AWAIE54870

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%

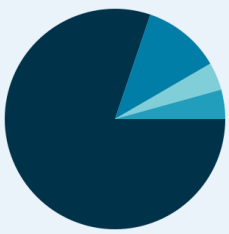
Property Name	Property Value	SQM
Length	long	0.69
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

14.82 kg CO_2e

Estimated Offsetting Cost In EUR *

1.48 €



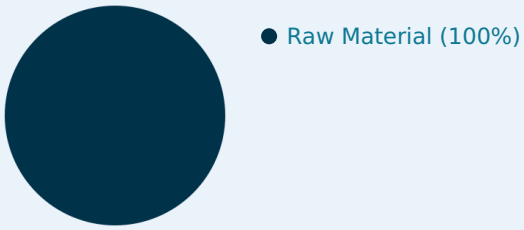
- Raw Material (80.23%)
- Yarn Production (11.43%)
- Fabric Production (4.08%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.30%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

11.89 kg CO_2e

Estimated Offsetting Cost In EUR *

1.19 €



Transportation Carbon Footprint

0 kg CO_2e

Estimated Offsetting Cost In EUR *

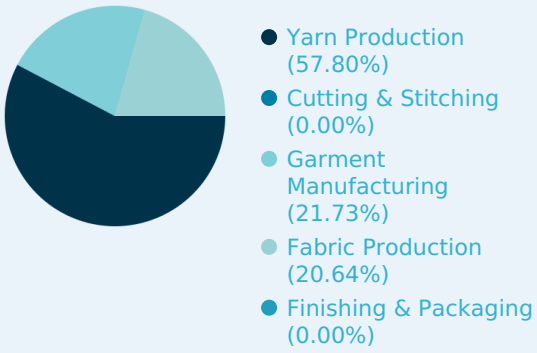
0 €

Process Carbon Footprint

2.93 kg CO_2e

Estimated Offsetting Cost In EUR *

0.29 €



* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
Soffio Tulle	Raw Material	ITALY	Moderate Risk
Soffio Tulle	Yarn Production	ITALY	Moderate Risk
Soffio Tulle	Fabric Production	ITALY	Moderate Risk
Soffio Tulle	Cutting & Stitching	INDIA	High Risk
Soffio Tulle	Garment Manufacturing	INDIA	High Risk
Soffio Tulle	Finishing & Packaging	INDIA	High Risk
HEAVIER VISCOSE SILK STRETCH DBL GGT	Raw Material	CHINA	High Risk
HEAVIER VISCOSE SILK STRETCH DBL GGT	Yarn Production	CHINA	High Risk
HEAVIER VISCOSE SILK STRETCH DBL GGT	Fabric Production	CHINA	High Risk
HEAVIER VISCOSE SILK STRETCH DBL GGT	Cutting & Stitching	ITALY	Moderate Risk
HEAVIER VISCOSE SILK STRETCH DBL GGT	Garment Manufacturing	ITALY	Moderate Risk

Layer	Production Phase	Country	Country Risk / Provider
HEAVIER VISCOSE SILK STRETCH DBL GGT	Finishing & Packaging	ITALY	Moderate Risk
22MM VISCOSE SILK STRETCH DBL GGT	Raw Material	CHINA	High Risk
22MM VISCOSE SILK STRETCH DBL GGT	Yarn Production	CHINA	High Risk
22MM VISCOSE SILK STRETCH DBL GGT	Fabric Production	CHINA	High Risk
22MM VISCOSE SILK STRETCH DBL GGT	Cutting & Stitching	ITALY	Moderate Risk
22MM VISCOSE SILK STRETCH DBL GGT	Garment Manufacturing	ITALY	Moderate Risk
22MM VISCOSE SILK STRETCH DBL GGT	Finishing & Packaging	ITALY	Moderate Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	4714.56	597.79	2082.53
Yarn Production	0	478.23	1457.77
Fabric Production	0	448.4	1561.89
Garment Manufacturing	0	797.37	2828.39
Total (Liters)	**4714.56**	**2321.79**	**7930.58**

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

Soffio Tulle - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyamide	100%	4.6	109.7366	504.7884
Total	**100%**	**4.6**	**109.74**	**504.79**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	ITALY	ITALY		0
Total				**0**

Soffio Tulle - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyamide (ITALY) 13.6536
Winding (CO2e g)	Polyamide (ITALY) 31.4034
Sizing (CO2e g)	Polyamide (ITALY) 0.6534
Ring Spinning (CO2e g)	Polyamide (ITALY) 65.5375
Warping (CO2e g)	Polyamide (ITALY) 2.2215
Roving (Co2e g)	Polyamide (ITALY) 5.4615
Dyeing (CO2e g)	Polyamide (ITALY) 16.988
Blowing (CO2e g)	Polyamide (ITALY) 12.2883
Drawing (CO2e g)	Polyamide (ITALY) 8.1922
Total	**156.3994**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	ITALY	ITALY		0
Total				**0**

Soffio Tulle - Cutting & Stitching

Process Name	Material
Major cutting	Polyamide (INDIA) 0.0052
Total	**0.0052**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	INDIA	INDIA		0
Total				**0**

Soffio Tulle - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyamide (INDIA) 104.7414
Finishing Emissions (CO2g)	Polyamide (INDIA) 63.8667
Laundry Emissions (CO2e g)	Polyamide (INDIA) 63.8667
Washing & Drying Emissions	Polyamide (INDIA) 9.3671
Total	**241.8419**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	INDIA	INDIA		0
Total				**0**

Soffio Tulle - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyamide (ITALY) 0.0586
Coating (CO2e g)	Polyamide (ITALY) 0
Bonding (CO2e g)	Polyamide (ITALY) 0.1216
Weaving (CO2e g)	Polyamide (ITALY) 55.6694
Total	**55.8496**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	ITALY	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				**0**

Soffio Tulle - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	INDIA	INDIA		0

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Total				**0**

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

HEAVIER VISCOSE SILK STRETCH DBL GGT - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk generic	54%	52.5	103.7011	5444.3075
Viscose generic	40%	14.54	109.7366	1595.5703
Elastane generic	6%	10.7	32.921	352.2545
Total	**100%**	**77.74**	**246.36**	**7392.13**

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

HEAVIER VISCOSE SILK STRETCH DBL GGT - Yarn Production

Process Name	Material		
Carding (CO2e g)	Silk generic (CHINA) 26.7236	Viscose generic (CHINA) 28.2789	Elastane generic (CHINA) 8.4837
Winding (CO2e g)	Silk generic (CHINA) 61.4642	Viscose generic (CHINA) 65.0415	Elastane generic (CHINA) 19.5124
Sizing (CO2e g)	Silk generic (CHINA) 1.2788	Viscose generic (CHINA) 1.3533	Elastane generic (CHINA) 0.406
Ring Spinning (CO2e g)	Silk generic (CHINA) 128.2731	Viscose generic (CHINA) 135.7387	Elastane generic (CHINA) 40.7216
Warping (CO2e g)	Silk generic (CHINA) 4.348	Viscose generic (CHINA) 4.6011	Elastane generic (CHINA) 1.3803
Roving (Co2e g)	Silk generic (CHINA) 10.6894	Viscose generic (CHINA) 11.3116	Elastane generic (CHINA) 3.3935
Dyeing (CO2e g)	Silk generic (CHINA) 33.2496	Viscose generic (CHINA) 35.1848	Elastane generic (CHINA) 10.5554
Blowing (CO2e g)	Silk generic (CHINA) 24.0512	Viscose generic (CHINA) 25.451	Elastane generic (CHINA) 7.6353
Drawing (CO2e g)	Silk generic (CHINA) 16.0341	Viscose generic (CHINA) 16.9673	Elastane generic (CHINA) 5.0902
Total	**306.112**	**323.92820000000006**	**97.17840000000001**

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

HEAVIER VISCOSE SILK STRETCH DBL GGT - Cutting & Stitching

Process Name	Material		
Major cutting	Silk generic (ITALY) 0.0017	Viscose generic (ITALY) 0.0018	Elastane generic (ITALY) 0.0005
Total	**0.0017**	**0.0018**	**0.0005**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
Total				**0**

HEAVIER VISCOSE SILK STRETCH DBL GGT - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Silk generic (ITALY) 34.0565	Viscose generic (ITALY) 36.0386	Elastane generic (ITALY) 10.8116
Finishing Emissions (CO2g)	Silk generic (ITALY) 20.7661	Viscose generic (ITALY) 21.9748	Elastane generic (ITALY) 6.5924
Laundry Emissions (CO2e g)	Silk generic (ITALY) 20.7661	Viscose generic (ITALY) 21.9748	Elastane generic (ITALY) 6.5924
Washing & Drying Emissions	Silk generic (ITALY) 3.0457	Viscose generic (ITALY) 3.223	Elastane generic (ITALY) 0.9669
Total	**78.6344**	**83.2112**	**24.9633**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
Total				**0**

HEAVIER VISCOSE SILK STRETCH DBL GGT - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.1147	Viscose generic (CHINA) 0.1214	Elastane generic (CHINA) 0.0364
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.238	Viscose generic (CHINA) 0.2518	Elastane generic (CHINA) 0.0756
Weaving (CO2e g)	Silk generic (CHINA) 108.9587	Viscose generic (CHINA) 115.3003	Elastane generic (CHINA) 34.5901
Total	**109.31139999999999**	**115.67349999999999**	**34.7021**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams

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

HEAVIER VISCOSE SILK STRETCH DBL GGT - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	ITALY	ITALY		0
Viscose generic	ITALY	ITALY		0
Elastane generic	ITALY	ITALY		0
Total				**0**

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

22MM VISCOSE SILK STRETCH DBL GGT - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	274.3415	3988.9258
Total	**100%**	**14.54**	**274.34**	**3988.93**

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

22MM VISCOSE SILK STRETCH DBL GGT - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 70.6973
Winding (CO2e g)	Viscose generic (CHINA) 162.6037
Sizing (CO2e g)	Viscose generic (CHINA) 3.3832
Ring Spinning (CO2e g)	Viscose generic (CHINA) 339.3469
Warping (CO2e g)	Viscose generic (CHINA) 11.5027
Roving (Co2e g)	Viscose generic (CHINA) 28.2789
Dyeing (CO2e g)	Viscose generic (CHINA) 87.962
Blowing (CO2e g)	Viscose generic (CHINA) 63.6275
Drawing (CO2e g)	Viscose generic (CHINA) 42.4184

Process Name	Material
Total	**809.8206**

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

22MM VISCOSE SILK STRETCH DBL GGT - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (ITALY) 0.0045
Total	**0.0045**

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

22MM VISCOSE SILK STRETCH DBL GGT - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (ITALY) 90.0965
Finishing Emissions (CO2g)	Viscose generic (ITALY) 54.9369
Laundry Emissions (CO2e g)	Viscose generic (ITALY) 54.9369
Washing & Drying Emissions	Viscose generic (ITALY) 8.0574
Total	**208.0277**

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

22MM VISCOSE SILK STRETCH DBL GGT - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.3034
Coating (CO2e g)	Viscose generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.6296
Weaving (CO2e g)	Viscose generic (CHINA) 288.2506
Total	**289.1836**

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

22MM VISCOSE SILK STRETCH DBL GGT - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

Final Transportation

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyamide	ITALY	UNITED KINGDOM	AIR - 0	0
Total				**0**

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