

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU
DRESSES	25AWDAM54881

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	regular	0
Sleeves	long	0.289
Neck	v neck	-0.016
EU SIZE	S woman	0.1935085228292251

Layer	Gender	Wastage Percentage
Skirts	Women	5%

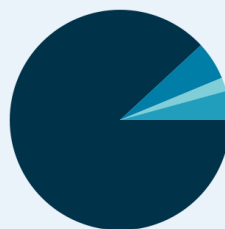
Property Name	Property Value	SQM
Length	calf	0.5658
Shape	circle	324
Rise	regular	0
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

20.89 kg CO₂e

Estimated Offsetting Cost In EUR *

2.09 €



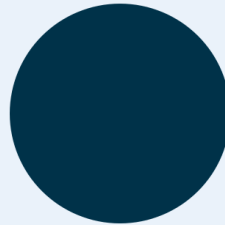
- Raw Material (88.13%)
- Yarn Production (5.62%)
- Fabric Production (2.01%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.25%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

18.41 kg CO₂e

Estimated Offsetting Cost In EUR *

1.84 €



● Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

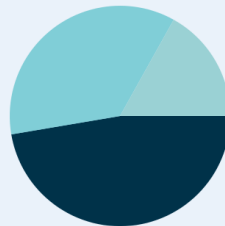
0 €

Process Carbon Footprint

2.48 kg CO₂e

Estimated Offsetting Cost In EUR *

0.25 €



● Yarn Production (47.36%)
● Cutting & Stitching (0.00%)
● Garment Manufacturing (35.77%)
● Fabric Production (16.91%)
● Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

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

Layer	Production Phase	Country	Country Risk / Provider
22MM VISCOSE SILK STRETCH DBL GGT	Finishing & Packaging	POLAND	Moderate Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	3722.93	414.17	1979.3
Yarn Production	0	331.33	1385.51
Fabric Production	0	310.63	1484.48
Garment Manufacturing	0	519.52	2542.52
Total (Liters)	3722.93	1575.65	7391.81

Land Impact Summary	
Total Land Use (m2)	0.04

FLOU FABRIC - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Acetate	66%	38	276.753	10516.6142
Viscose generic	32%	14.54	78.9313	1147.6617
Elastane/Spandex	2%	10.7	9.6198	102.9314
Total	100%	63.24	365.3	11767.21

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

FLOU FABRIC - Yarn Production

Process Name	Material		
Carding (CO2e g)	Acetate (ITALY) 34.4342	Viscose generic (ITALY) 9.8208	Elastane/Spandex (ITALY) 1.1969
Winding (CO2e g)	Acetate (ITALY) 79.1986	Viscose generic (ITALY) 22.5878	Elastane/Spandex (ITALY) 2.7529
Sizing (CO2e g)	Acetate (ITALY) 1.6478	Viscose generic (ITALY) 0.47	Elastane/Spandex (ITALY) 0.0573
Ring Spinning (CO2e g)	Acetate (ITALY) 165.284	Viscose generic (ITALY) 47.1398	Elastane/Spandex (ITALY) 5.7452
Warping (CO2e g)	Acetate (ITALY) 5.6026	Viscose generic (ITALY) 1.5979	Elastane/Spandex (ITALY) 0.1947
Roving (Co2e g)	Acetate (ITALY) 13.7737	Viscose generic (ITALY) 3.9283	Elastane/Spandex (ITALY) 0.4788
Dyeing (CO2e g)	Acetate (ITALY) 42.8432	Viscose generic (ITALY) 12.2191	Elastane/Spandex (ITALY) 1.4892
Blowing (CO2e g)	Acetate (ITALY) 30.9907	Viscose generic (ITALY) 8.8387	Elastane/Spandex (ITALY) 1.0772

Process Name	Material		
Drawing (CO2e g)	Acetate (ITALY) 20.6605	Viscose generic (ITALY) 5.8925	Elastane/Spandex (ITALY) 0.7181
Total	394.43530000000004	112.4949	13.710299999999997

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

FLOU FABRIC - Cutting & Stitching

Process Name	Material		
Major cutting	Acetate (POLAND) 0.009	Viscose generic (POLAND) 0.0026	Elastane/Spandex (POLAND) 0.0003
Total	0.009	0.0026	0.0003

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Acetate	POLAND	POLAND		0
Viscose generic	POLAND	POLAND		0
Elastane/Spandex	POLAND	POLAND		0
Total				0

FLOU FABRIC - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Acetate (POLAND) 181.0961	Viscose generic (POLAND) 51.6495	Elastane/Spandex (POLAND) 6.2948
Finishing Emissions (CO2g)	Acetate (POLAND) 110.4244	Viscose generic (POLAND) 31.4936	Elastane/Spandex (POLAND) 3.8383
Laundry Emissions (CO2e g)	Acetate (POLAND) 110.4244	Viscose generic (POLAND) 31.4936	Elastane/Spandex (POLAND) 3.8383
Washing & Drying Emissions	Acetate (POLAND) 16.1956	Viscose generic (POLAND) 4.6191	Elastane/Spandex (POLAND) 0.5629
Total	418.14050000000003	119.25580000000001	14.534300000000002

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Acetate	POLAND	POLAND		0
Viscose generic	POLAND	POLAND		0
Elastane/Spandex	POLAND	POLAND		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	POLAND	0.5724	60

FLOU FABRIC - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Acetate (ITALY) 0.1478	Viscose generic (ITALY) 0.0421	Elastane/Spandex (ITALY) 0.0051
Coating (CO2e g)	Acetate (ITALY) 0	Viscose generic (ITALY) 0	Elastane/Spandex (ITALY) 0
Bonding (CO2e g)	Acetate (ITALY) 0.3067	Viscose generic (ITALY) 0.0875	Elastane/Spandex (ITALY) 0.0107
Weaving (CO2e g)	Acetate (ITALY) 140.3968	Viscose generic (ITALY) 40.0419	Elastane/Spandex (ITALY) 4.8801
Total	140.8513	40.1715	4.895899999999999

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Acetate	ITALY	POLAND	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Viscose generic	ITALY	POLAND	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Elastane/Spandex	ITALY	POLAND	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

FLOU FABRIC - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Acetate	POLAND	POLAND		0
Viscose generic	POLAND	POLAND		0
Elastane/Spandex	POLAND	POLAND		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	POLAND	0.0829	1

22MM VISCOSE SILK STRETCH DBL GGT - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk generic	54%	52.5	93.2376	4894.9763
Viscose generic	40%	14.54	98.6642	1434.5771
Elastane generic	6%	10.7	29.5993	316.712
Total	100%	77.74	221.5	6646.27

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

22MM VISCOSE SILK STRETCH DBL GGT - Yarn Production

Process Name	Material		
Carding (CO2e g)	Silk generic (CHINA) 24.0272	Viscose generic (CHINA) 25.4256	Elastane generic (CHINA) 7.6277
Winding (CO2e g)	Silk generic (CHINA) 55.2625	Viscose generic (CHINA) 58.4788	Elastane generic (CHINA) 17.5436
Sizing (CO2e g)	Silk generic (CHINA) 1.1498	Viscose generic (CHINA) 1.2167	Elastane generic (CHINA) 0.365
Ring Spinning (CO2e g)	Silk generic (CHINA) 115.3303	Viscose generic (CHINA) 122.0427	Elastane generic (CHINA) 36.6128
Warping (CO2e g)	Silk generic (CHINA) 3.9093	Viscose generic (CHINA) 4.1368	Elastane generic (CHINA) 1.2411
Roving (Co2e g)	Silk generic (CHINA) 9.6109	Viscose generic (CHINA) 10.1702	Elastane generic (CHINA) 3.0511
Dyeing (CO2e g)	Silk generic (CHINA) 29.8947	Viscose generic (CHINA) 31.6346	Elastane generic (CHINA) 9.4904
Blowing (CO2e g)	Silk generic (CHINA) 21.6244	Viscose generic (CHINA) 22.883	Elastane generic (CHINA) 6.8649
Drawing (CO2e g)	Silk generic (CHINA) 14.4163	Viscose generic (CHINA) 15.2553	Elastane generic (CHINA) 4.5766
Total	275.2254	291.24369999999993	87.37320000000001

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

22MM VISCOSE SILK STRETCH DBL GGT - Cutting & Stitching

Process Name	Material		
Major cutting	Silk generic (POLAND) 0.003	Viscose generic (POLAND) 0.0032	Elastane generic (POLAND) 0.001
Total	0.003	0.0032	0.001

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

22MM VISCOSE SILK STRETCH DBL GGT - Garment Manufacturing

Process Name	Material		
Garment dyeing (CO2e g)	Silk generic (POLAND) 61.011	Viscose generic (POLAND) 64.5619	Elastane generic (POLAND) 19.3686
Finishing Emissions (CO2g)	Silk generic (POLAND) 37.2018	Viscose generic (POLAND) 39.367	Elastane generic (POLAND) 11.8101

Process Name	Material		
Laundry Emissions (CO2e g)	Silk generic (POLAND) 37.2018	Viscose generic (POLAND) 39.367	Elastane generic (POLAND) 11.8101
Washing & Drying Emissions	Silk generic (POLAND) 5.4563	Viscose generic (POLAND) 5.7738	Elastane generic (POLAND) 1.7321
Total	140.8709	149.06969999999998	44.7209

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	POLAND	0.5724	60

22MM VISCOSE SILK STRETCH DBL GGT - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.1031	Viscose generic (CHINA) 0.1091	Elastane generic (CHINA) 0.0327
Coating (CO2e g)	Silk generic (CHINA) 0	Viscose generic (CHINA) 0	Elastane generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.214	Viscose generic (CHINA) 0.2264	Elastane generic (CHINA) 0.0679
Weaving (CO2e g)	Silk generic (CHINA) 97.9648	Viscose generic (CHINA) 103.6664	Elastane generic (CHINA) 31.0999
Total	98.2819	104.00189999999999	31.2005

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	POLAND	0.0829	1

Final Transportation

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

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