Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU
SUITS	25AWFRA53411

Layer	Gender	Wastage Percentage
Blazer	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.656
Fit	slim	0.25
Pockets	2 jetted	0
Sleeves	regular	0.2624
Front	reverse single breasted one/two botton	2.56
EU SIZE	M woman	0

Layer	Gender	Wastage Percentage
Pants	Women	5%

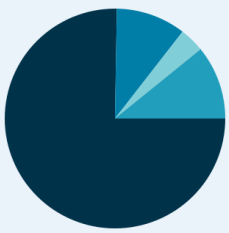
Property Name	Property Value	SQM
Length	long	0.95
Shape	straight	0
Rise	regular	0
Cargo	yes	0.03
EU SIZE	M woman	0

Total Carbon Footprint

9.1 kg CO_2e

Estimated Offsetting Cost In EUR *

0.91 €



- Raw Material (75.27%)
- Yarn Production (10.23%)
- Fabric Production (3.65%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (10.85%)

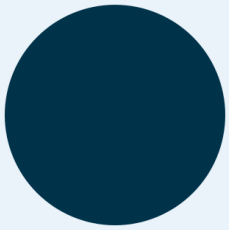
Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

6.85 kg CO_2e

Estimated Offsetting Cost In EUR *

0.68 €



Raw Material (100%)

Transportation Carbon Footprint

0 kg CO_2e

Estimated Offsetting Cost In EUR *

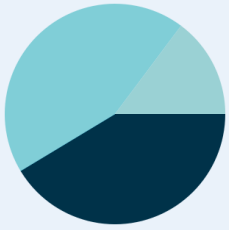
0 €

Process Carbon Footprint

2.25 kg CO_2e

Estimated Offsetting Cost In EUR *

0.22 €



- Yarn Production (41.39%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (43.87%)
- Fabric Production (14.78%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
FRANCIS JACQUARD - PANELLO - WOVEN	Raw Material	ITALY	Moderate Risk
FRANCIS JACQUARD - PANELLO - WOVEN	Yarn Production	ITALY	Moderate Risk
FRANCIS JACQUARD - PANELLO - WOVEN	Fabric Production	ITALY	Moderate Risk
FRANCIS JACQUARD - PANELLO - WOVEN	Cutting & Stitching	POLAND	Moderate Risk
FRANCIS JACQUARD - PANELLO - WOVEN	Garment Manufacturing	POLAND	Moderate Risk
FRANCIS JACQUARD - PANELLO - WOVEN	Finishing & Packaging	POLAND	Moderate Risk
VISCOSE LINING	Raw Material	ITALY	Moderate Risk
VISCOSE LINING	Yarn Production	ITALY	Moderate Risk

Layer	Production Phase	Country	Country Risk / Provider
VISCOSE LINING	Fabric Production	ITALY	Moderate Risk
VISCOSE LINING	Cutting & Stitching	POLAND	Moderate Risk
VISCOSE LINING	Garment Manufacturing	POLAND	Moderate Risk
VISCOSE LINING	Finishing & Packaging	POLAND	Moderate Risk
Viscose Lining	Raw Material	ITALY	Moderate Risk
Viscose Lining	Yarn Production	ITALY	Moderate Risk
Viscose Lining	Fabric Production	ITALY	Moderate Risk
Viscose Lining	Cutting & Stitching	POLAND	Moderate Risk
Viscose Lining	Garment Manufacturing	POLAND	Moderate Risk
Viscose Lining	Finishing & Packaging	POLAND	Moderate Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	1475.36	340.7	203.39
Yarn Production	0	272.56	142.37
Fabric Production	0	255.53	152.54
Garment Manufacturing	0	526.53	506.46
Total (Liters)	**1475.36**	**1395.32**	**1004.76**

Land Impact Summary	
Total Land Use (m2)	**0.01**

FRANCIS JACQUARD - PANELLO - WOVEN - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	100%	3.1	231.8427	718.7123
Total	**100%**	**3.1**	**231.84**	**718.71**

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

FRANCIS JACQUARD - PANELLO - WOVEN - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester China (ITALY) 28.8463
Winding (CO2e g)	Polyester China (ITALY) 66.3466
Sizing (CO2e g)	Polyester China (ITALY) 1.3804
Ring Spinning (CO2e g)	Polyester China (ITALY) 138.4624
Warping (CO2e g)	Polyester China (ITALY) 4.6934
Roving (Co2e g)	Polyester China (ITALY) 11.5385
Dyeing (CO2e g)	Polyester China (ITALY) 35.8908

Process Name	Material
Blowing (CO2e g)	Polyester China (ITALY) 25.9617
Drawing (CO2e g)	Polyester China (ITALY) 17.3078
Total	**330.42789999999997**

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

FRANCIS JACQUARD - PANELLO - WOVEN - Cutting & Stitching

Process Name	Material
Major cutting	Polyester China (POLAND) 0.0075
Total	**0.0075**

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

FRANCIS JACQUARD - PANELLO - WOVEN - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyester China (POLAND) 151.7086
Finishing Emissions (CO2g)	Polyester China (POLAND) 92.5052
Laundry Emissions (CO2e g)	Polyester China (POLAND) 92.5052
Washing & Drying Emissions	Polyester China (POLAND) 13.5674
Total	**350.2864**

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

FRANCIS JACQUARD - PANELLO - WOVEN - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester China (ITALY) 0.1238
Coating (CO2e g)	Polyester China (ITALY) 0
Bonding (CO2e g)	Polyester China (ITALY) 0.2569
Weaving (CO2e g)	Polyester China (ITALY) 117.6138
Total	**117.9945**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	ITALY	POLAND	Truck/Heavy goods vehicle - 0 Aircraft - 0	0

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

FRANCIS JACQUARD - PANELLO - WOVEN - Finishing & Packaging

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

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

VISCOSE LINING - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	210.7661	3064.5388
Total	**100%**	**14.54**	**210.77**	**3064.54**

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

VISCOSE LINING - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (ITALY) 26.2239
Winding (CO2e g)	Viscose generic (ITALY) 60.3151
Sizing (CO2e g)	Viscose generic (ITALY) 1.2549
Ring Spinning (CO2e g)	Viscose generic (ITALY) 125.8749
Warping (CO2e g)	Viscose generic (ITALY) 4.2667
Roving (Co2e g)	Viscose generic (ITALY) 10.4896
Dyeing (CO2e g)	Viscose generic (ITALY) 32.628
Blowing (CO2e g)	Viscose generic (ITALY) 23.6015
Drawing (CO2e g)	Viscose generic (ITALY) 15.7344
Total	**300.38899999999995**

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

VISCOSE LINING - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (POLAND) 0.0068
Total	**0.0068**

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

VISCOSE LINING - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (POLAND) 137.9169
Finishing Emissions (CO2g)	Viscose generic (POLAND) 84.0957
Laundry Emissions (CO2e g)	Viscose generic (POLAND) 84.0957
Washing & Drying Emissions	Viscose generic (POLAND) 12.334
Total	**318.4423**

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

VISCOSE LINING - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (ITALY) 0.1125
Coating (CO2e g)	Viscose generic (ITALY) 0
Bonding (CO2e g)	Viscose generic (ITALY) 0.2335
Weaving (CO2e g)	Viscose generic (ITALY) 106.9216
Total	**107.2676**

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

VISCOSE LINING - Finishing & Packaging

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

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

Viscose Lining - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	210.7661	3064.5388
Total	**100%**	**14.54**	**210.77**	**3064.54**

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

Viscose Lining - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (ITALY) 26.2239
Winding (CO2e g)	Viscose generic (ITALY) 60.3151
Sizing (CO2e g)	Viscose generic (ITALY) 1.2549
Ring Spinning (CO2e g)	Viscose generic (ITALY) 125.8749
Warping (CO2e g)	Viscose generic (ITALY) 4.2667
Roving (Co2e g)	Viscose generic (ITALY) 10.4896
Dyeing (CO2e g)	Viscose generic (ITALY) 32.628
Blowing (CO2e g)	Viscose generic (ITALY) 23.6015
Drawing (CO2e g)	Viscose generic (ITALY) 15.7344
Total	**300.38899999999995**

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

Viscose Lining - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (POLAND) 0.0068
Total	**0.0068**

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

Viscose Lining - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (POLAND) 137.9169
Finishing Emissions (CO2g)	Viscose generic (POLAND) 84.0957
Laundry Emissions (CO2e g)	Viscose generic (POLAND) 84.0957
Washing & Drying Emissions	Viscose generic (POLAND) 12.334
Total	**318.4423**

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

Viscose Lining - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (ITALY) 0.1125
Coating (CO2e g)	Viscose generic (ITALY) 0
Bonding (CO2e g)	Viscose generic (ITALY) 0.2335
Weaving (CO2e g)	Viscose generic (ITALY) 106.9216
Total	**107.2676**

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

Viscose Lining - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose 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
Polyester China	POLAND	UNITED KINGDOM	AIR - 0	0
Total				**0**

informed of any updates.