

# Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
TOPS	25AWFRA53421	Women	5%

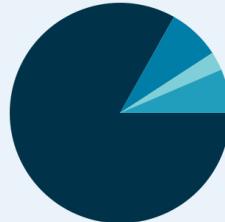
Property Name	Property Value	SQM
Body length	short	0.48
Fit	slim	1.44
Sleeves	no sleeves	0
Neck	deep v neck	-0.029
EU SIZE	S woman	0.1935085228292251

## Total Carbon Footprint

**2.6** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

**0.26** €



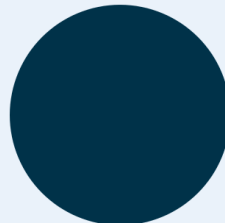
- Raw Material (83.08%)
- Yarn Production (7.68%)
- Fabric Production (2.74%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (6.43%)
- Finishing & Packaging (0.00%)

## Raw Material Carbon Footprint

**2.16** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

**0.22** €



- Raw Material (100%)

## Transportation Carbon Footprint

0 kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

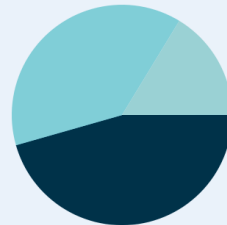
0 €

### Process Carbon Footprint

0.44 kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

0.04 €



- Yarn Production (45.41%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (37.97%)
- Fabric Production (16.21%)
- Finishing & Packaging (0.02%)

\* 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
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
Silk	Raw Material	CHINA	High Risk
Silk	Yarn Production	CHINA	High Risk
Silk	Fabric Production	CHINA	High Risk
Silk	Cutting & Stitching	POLAND	Moderate Risk
Silk	Garment Manufacturing	POLAND	Moderate Risk
Silk	Finishing & Packaging	POLAND	Moderate Risk

## Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	1036.61	101.35	506.06
Yarn Production	0	81.08	354.24
Fabric Production	0	76.01	379.55
Garment Manufacturing	0	125.7	646.47
<b>Total (Liters)</b>	<b>1036.61</b>	<b>384.14</b>	<b>1886.32</b>

Land Impact Summary	
<b>Total Land Use (m2)</b>	<b>0.03</b>

## FRANCIS JACQUARD - PANELLO - WOVEN - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	100%	3.1	43.4389	134.6606
<b>Total</b>	<b>100%</b>	<b>3.1</b>	<b>43.44</b>	<b>134.66</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

## FRANCIS JACQUARD - PANELLO - WOVEN - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester China (ITALY) 5.4048
Winding (CO2e g)	Polyester China (ITALY) 12.4309
Sizing (CO2e g)	Polyester China (ITALY) 0.2586
Ring Spinning (CO2e g)	Polyester China (ITALY) 25.9428
Warping (CO2e g)	Polyester China (ITALY) 0.8794
Roving (Co2e g)	Polyester China (ITALY) 2.1619
Dyeing (CO2e g)	Polyester China (ITALY) 6.7246
Blowing (CO2e g)	Polyester China (ITALY) 4.8643
Drawing (CO2e g)	Polyester China (ITALY) 3.2429
<b>Total</b>	<b>61.910199999999996</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

## FRANCIS JACQUARD - PANELLO - WOVEN - Cutting & Stitching

Process Name	Material
Major cutting	Polyester China (POLAND) 0.0014
<b>Total</b>	<b>0.0014</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	POLAND	POLAND		0
<b>Total</b>				<b>0</b>

## FRANCIS JACQUARD - PANELLO - WOVEN - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Polyester China (POLAND) 28.4247
Finishing Emissions (CO2g)	Polyester China (POLAND) 17.3321
Laundry Emissions (CO2e g)	Polyester China (POLAND) 17.3321
Washing & Drying Emissions	Polyester China (POLAND) 2.542
<b>Total</b>	<b>65.6309</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	POLAND	POLAND		0
<b>Total</b>				<b>0</b>

## FRANCIS JACQUARD - PANELLO - WOVEN - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester China (ITALY) 0.0232
Coating (CO2e g)	Polyester China (ITALY) 0
Bonding (CO2e g)	Polyester China (ITALY) 0.0481
Weaving (CO2e g)	Polyester China (ITALY) 22.0366
<b>Total</b>	<b>22.1079</b>

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

## FRANCIS JACQUARD - PANELLO - WOVEN - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	POLAND	POLAND		0
<b>Total</b>				<b>0</b>

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	39.4899	574.1835
<b>Total</b>	<b>100%</b>	<b>14.54</b>	<b>39.49</b>	<b>574.18</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

## VISCOSE LINING - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (ITALY) 4.9134
Winding (CO2e g)	Viscose generic (ITALY) 11.3009
Sizing (CO2e g)	Viscose generic (ITALY) 0.2351
Ring Spinning (CO2e g)	Viscose generic (ITALY) 23.5844
Warping (CO2e g)	Viscose generic (ITALY) 0.7994
Roving (Co2e g)	Viscose generic (ITALY) 1.9654
Dyeing (CO2e g)	Viscose generic (ITALY) 6.1133
Blowing (CO2e g)	Viscose generic (ITALY) 4.4221
Drawing (CO2e g)	Viscose generic (ITALY) 2.948
<b>Total</b>	<b>56.282000000000004</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	ITALY	ITALY		0
<b>Total</b>				<b>0</b>

## VISCOSE LINING - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (POLAND) 0.0013
<b>Total</b>	<b>0.0013</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	POLAND	POLAND		0
<b>Total</b>				<b>0</b>

## VISCOSE LINING - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (POLAND) 25.8406
Finishing Emissions (CO2g)	Viscose generic (POLAND) 15.7565
Laundry Emissions (CO2e g)	Viscose generic (POLAND) 15.7565
Washing & Drying Emissions	Viscose generic (POLAND) 2.311
<b>Total</b>	<b>59.6646</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	POLAND	POLAND		0
<b>Total</b>				<b>0</b>

## VISCOSE LINING - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (ITALY) 0.0211
Coating (CO2e g)	Viscose generic (ITALY) 0
Bonding (CO2e g)	Viscose generic (ITALY) 0.0438
Weaving (CO2e g)	Viscose generic (ITALY) 20.0332
<b>Total</b>	<b>20.098100000000002</b>

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

## VISCOSE LINING - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	POLAND	POLAND		0
<b>Total</b>				<b>0</b>

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

## Silk - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk generic	100%	52.5	27.6429	1451.2546
<b>Total</b>	<b>100%</b>	<b>52.5</b>	<b>27.64</b>	<b>1451.25</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## Silk - Yarn Production

Process Name	Material
Carding (CO2e g)	Silk generic (CHINA) 7.1235
Winding (CO2e g)	Silk generic (CHINA) 16.3841
Sizing (CO2e g)	Silk generic (CHINA) 0.3409
Ring Spinning (CO2e g)	Silk generic (CHINA) 34.193
Warping (CO2e g)	Silk generic (CHINA) 1.159
Roving (Co2e g)	Silk generic (CHINA) 2.8494
Dyeing (CO2e g)	Silk generic (CHINA) 8.8631
Blowing (CO2e g)	Silk generic (CHINA) 6.4112

Process Name	Material
Drawing (CO2e g)	Silk generic (CHINA) 4.2741
<b>Total</b>	<b>81.5983</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## Silk - Cutting & Stitching

Process Name	Material
Major cutting	Silk generic (POLAND) 0.0009
<b>Total</b>	<b>0.0009</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	POLAND	POLAND		0
<b>Total</b>				<b>0</b>

## Silk - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Silk generic (POLAND) 18.0884
Finishing Emissions (CO2g)	Silk generic (POLAND) 11.0295
Laundry Emissions (CO2e g)	Silk generic (POLAND) 11.0295
Washing & Drying Emissions	Silk generic (POLAND) 1.6177
<b>Total</b>	<b>41.7651</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	POLAND	POLAND		0
<b>Total</b>				<b>0</b>

## Silk - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Silk generic (CHINA) 0.0306
Coating (CO2e g)	Silk generic (CHINA) 0
Bonding (CO2e g)	Silk generic (CHINA) 0.0634
Weaving (CO2e g)	Silk generic (CHINA) 29.0444
<b>Total</b>	<b>29.1384</b>

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

## Silk - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	POLAND	POLAND		0
<b>Total</b>				<b>0</b>

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
<b>Total</b>				<b>0</b>

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