

Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
SHIRTS	25AWCIE54839	Women	5%

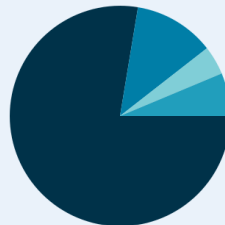
Property Name	Property Value	SQM
Body length	regular	0.7
Fit	regular	0
Sleeves	long	0.31
Neck	classic collar	0.039
EU SIZE	S woman	0.1935085228292251

Total Carbon Footprint

0.67 kg CO₂e

Estimated Offsetting Cost In EUR *

0.07 €



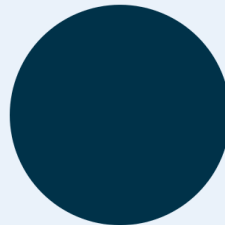
- Raw Material (77.61%)
- Yarn Production (11.85%)
- Fabric Production (4.23%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (6.31%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

0.52 kg CO₂e

Estimated Offsetting Cost In EUR *

0.05 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

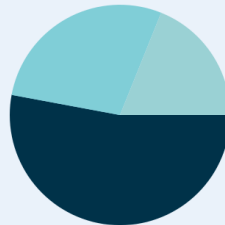
0 €

Process Carbon Footprint

0.15 kg CO₂e

Estimated Offsetting Cost In EUR *

0.02 €



- Yarn Production (52.94%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (28.16%)
- Fabric Production (18.90%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
SHIRTING COTTON	Raw Material	LITHUANIA	Moderate Risk
SHIRTING COTTON	Yarn Production	LITHUANIA	Moderate Risk
SHIRTING COTTON	Fabric Production	LITHUANIA	Moderate Risk
SHIRTING COTTON	Cutting & Stitching	LITHUANIA	Moderate Risk
SHIRTING COTTON	Garment Manufacturing	LITHUANIA	Moderate Risk
SHIRTING COTTON	Finishing & Packaging	LITHUANIA	Moderate Risk

Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	967.41	250.19	583.78
Yarn Production	0	200.15	408.65
Fabric Production	0	187.64	437.84
Garment Manufacturing	0	275.21	718.05
Total (Liters)	967.41	913.19	2148.32

Land Impact Summary	
Total Land Use (m ²)	0.01

SHIRTING COTTON - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton generic	96%	2.62	166.7948	437.0024
Elastane/Spandex	4%	10.7	8.2134	87.8832
Total	100%	13.32	175.01	524.89

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

SHIRTING COTTON - Yarn Production

Process Name	Material	
Carding (CO2e g)	Cotton generic (LITHUANIA) 6.6067	Elastane/Spandex (LITHUANIA) 0.3253
Winding (CO2e g)	Cotton generic (LITHUANIA) 15.1955	Elastane/Spandex (LITHUANIA) 0.7483
Sizing (CO2e g)	Cotton generic (LITHUANIA) 0.3162	Elastane/Spandex (LITHUANIA) 0.0156
Ring Spinning (CO2e g)	Cotton generic (LITHUANIA) 31.7124	Elastane/Spandex (LITHUANIA) 1.5616
Warping (CO2e g)	Cotton generic (LITHUANIA) 1.0749	Elastane/Spandex (LITHUANIA) 0.0529
Roving (Co2e g)	Cotton generic (LITHUANIA) 2.6427	Elastane/Spandex (LITHUANIA) 0.1301
Dyeing (CO2e g)	Cotton generic (LITHUANIA) 8.2201	Elastane/Spandex (LITHUANIA) 0.4048
Blowing (CO2e g)	Cotton generic (LITHUANIA) 5.9461	Elastane/Spandex (LITHUANIA) 0.2928
Drawing (CO2e g)	Cotton generic (LITHUANIA) 3.964	Elastane/Spandex (LITHUANIA) 0.1952
Total	75.67859999999999	3.7266000000000004

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

SHIRTING COTTON - Cutting & Stitching

Process Name	Material	
Major cutting	Cotton generic (LITHUANIA) 0.0009	Elastane/Spandex (LITHUANIA) 0
Total	0.0009	0

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

SHIRTING COTTON - Garment Manufacturing

Process Name	Material	
Garment dyeing (CO2e g)	Cotton generic (LITHUANIA) 17.4384	Elastane/Spandex (LITHUANIA) 0.8587
Finishing Emissions (CO2g)	Cotton generic (LITHUANIA) 10.6332	Elastane/Spandex (LITHUANIA) 0.5236

Process Name	Material	
Laundry Emissions (CO2e g)	Cotton generic (LITHUANIA) 10.6332	Elastane/Spandex (LITHUANIA) 0.5236
Washing & Drying Emissions	Cotton generic (LITHUANIA) 1.5595	Elastane/Spandex (LITHUANIA) 0.0768
Total	40.264300000000006	1.9827

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

SHIRTING COTTON - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Cotton generic (LITHUANIA) 0.0284	Elastane/Spandex (LITHUANIA) 0.0014
Coating (CO2e g)	Cotton generic (LITHUANIA) 0	Elastane/Spandex (LITHUANIA) 0
Bonding (CO2e g)	Cotton generic (LITHUANIA) 0.0588	Elastane/Spandex (LITHUANIA) 0.0029
Weaving (CO2e g)	Cotton generic (LITHUANIA) 26.9374	Elastane/Spandex (LITHUANIA) 1.3265
Total	27.0246	1.3308

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

SHIRTING COTTON - Finishing & Packaging

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

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