

# Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

| Product | SKU           |
|---------|---------------|
| DRESSES | 25AWGAL54587A |

| 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              | crew           | 0                  |
| EU SIZE           | S woman        | 0.1935085228292251 |

| Layer  | Gender | Wastage Percentage |
|--------|--------|--------------------|
| Skirts | Women  | 5%                 |

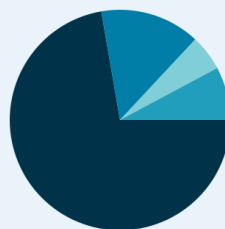
| Property Name | Property Value | SQM                |
|---------------|----------------|--------------------|
| Length        | calf           | 0.5658             |
| Shape         | circle         | 324                |
| Rise          | regular        | 0                  |
| EU SIZE       | S woman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

## Total Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**1.5** €



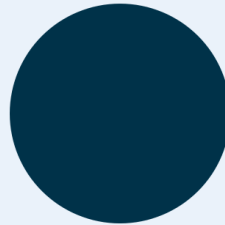
- Raw Material (72.30%)
- Yarn Production (14.68%)
- Fabric Production (5.24%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (7.81%)
- Finishing & Packaging (0.00%)

## Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**1.08** €



● Raw Material (100%)

## Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

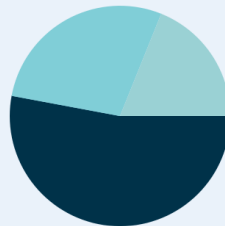
**0** €

## Process Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.42** €



● Yarn Production (52.98%)  
● Cutting & Stitching (0.00%)  
● Garment Manufacturing (28.19%)  
● Fabric Production (18.92%)  
● Finishing & Packaging (0.00%)

\* Current Average Market Value Of High Quality Carbon Credit

## Phases country risk

| Layer                             | Production Phase      | Country | Country Risk / Provider |
|-----------------------------------|-----------------------|---------|-------------------------|
| Viscose Light Georgette           | Raw Material          | CHINA   | High Risk               |
| Viscose Light Georgette           | Yarn Production       | CHINA   | High Risk               |
| Viscose Light Georgette           | Fabric Production     | CHINA   | High Risk               |
| Viscose Light Georgette           | Cutting & Stitching   | CHINA   | High Risk               |
| Viscose Light Georgette           | Garment Manufacturing | CHINA   | High Risk               |
| Viscose Light Georgette           | Finishing & Packaging | CHINA   | High Risk               |
| Matt Viscose Jersey (Double Face) | Raw Material          | CHINA   | High Risk               |
| Matt Viscose Jersey (Double Face) | Yarn Production       | CHINA   | High Risk               |
| Matt Viscose Jersey (Double Face) | Fabric Production     | CHINA   | High Risk               |
| Matt Viscose Jersey (Double Face) | Cutting & Stitching   | CHINA   | High Risk               |
| Matt Viscose Jersey (Double Face) | Garment Manufacturing | CHINA   | High Risk               |

| Layer                             | Production Phase      | Country | Country Risk / Provider |
|-----------------------------------|-----------------------|---------|-------------------------|
| Matt Viscose Jersey (Double Face) | Finishing & Packaging | CHINA   | High Risk               |
| Satin                             | Raw Material          | CHINA   | High Risk               |
| Satin                             | Yarn Production       | CHINA   | High Risk               |
| Satin                             | Fabric Production     | CHINA   | High Risk               |
| Satin                             | Cutting & Stitching   | CHINA   | High Risk               |
| Satin                             | Garment Manufacturing | CHINA   | High Risk               |
| Satin                             | Finishing & Packaging | CHINA   | High Risk               |

## Water Footprint & Land Impact Summary

| Production Phase      | Green Water (liters) | Blue Water (liters) | Grey Water (liters) |
|-----------------------|----------------------|---------------------|---------------------|
| Raw Material          | 2606.8               | 595.84              | 297.92              |
| Yarn Production       | 0                    | 476.67              | 208.54              |
| Fabric Production     | 0                    | 446.88              | 223.44              |
| Garment Manufacturing | 0                    | 923.55              | 819.28              |
| <b>Total (Liters)</b> | <b>2606.8</b>        | <b>2442.94</b>      | <b>1549.18</b>      |

| Land Impact Summary        |             |
|----------------------------|-------------|
| <b>Total Land Use (m2)</b> | <b>0.01</b> |

## Viscose Light Georgette - Raw Material

| Material        | Percentage  | CO2e per GRAM | Fabric Grams  | CO2e Grams    |
|-----------------|-------------|---------------|---------------|---------------|
| Viscose generic | 100%        | 14.54         | 248.2665      | 3609.7954     |
| <b>Total</b>    | <b>100%</b> | <b>14.54</b>  | <b>248.27</b> | <b>3609.8</b> |

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

## Viscose Light Georgette - Yarn Production

| Process Name           | Material                         |
|------------------------|----------------------------------|
| Carding (CO2e g)       | Viscose generic (CHINA) 63.9778  |
| Winding (CO2e g)       | Viscose generic (CHINA) 147.1489 |
| Sizing (CO2e g)        | Viscose generic (CHINA) 3.0616   |
| Ring Spinning (CO2e g) | Viscose generic (CHINA) 307.0934 |
| Warping (CO2e g)       | Viscose generic (CHINA) 10.4094  |
| Roving (Co2e g)        | Viscose generic (CHINA) 25.5911  |
| Dyeing (CO2e g)        | Viscose generic (CHINA) 79.6015  |
| Blowing (CO2e g)       | Viscose generic (CHINA) 57.58    |
| Drawing (CO2e g)       | Viscose generic (CHINA) 38.3867  |
| <b>Total</b>           | <b>732.8504</b>                  |

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

## Viscose Light Georgette - Cutting & Stitching

| Process Name  | Material                       |
|---------------|--------------------------------|
| Major cutting | Viscose generic (CHINA) 0.0083 |
| <b>Total</b>  | <b>0.0083</b>                  |

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

## Viscose Light Georgette - Garment Manufacturing

| Process Name               | Material                         |
|----------------------------|----------------------------------|
| Garment dyeing (CO2e g)    | Viscose generic (CHINA) 168.8684 |
| Finishing Emissions (CO2g) | Viscose generic (CHINA) 102.9685 |
| Laundry Emissions (CO2e g) | Viscose generic (CHINA) 102.9685 |
| Washing & Drying Emissions | Viscose generic (CHINA) 15.1021  |
| <b>Total</b>               | <b>389.9075</b>                  |

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

## Viscose Light Georgette - Fabric Production

| Process Name          | Material                         |
|-----------------------|----------------------------------|
| Heat Setting (CO2e g) | Viscose generic (CHINA) 0.2746   |
| Coating (CO2e g)      | Viscose generic (CHINA) 0        |
| Bonding (CO2e g)      | Viscose generic (CHINA) 0.5698   |
| Weaving (CO2e g)      | Viscose generic (CHINA) 260.8536 |
| <b>Total</b>          | <b>261.698</b>                   |

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

## Viscose Light Georgette - Finishing & Packaging

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

| Production Group | Process Name   | Country | CO2e   | Value |
|------------------|----------------|---------|--------|-------|
| ---              | Plastic Hanger | CHINA   | 0.0862 | 1     |

## Matt Viscose Jersey (Double Face) - Raw Material

| Material        | Percentage  | CO2e per GRAM | Fabric Grams  | CO2e Grams    |
|-----------------|-------------|---------------|---------------|---------------|
| Viscose generic | 100%        | 14.54         | 248.2665      | 3609.7954     |
| <b>Total</b>    | <b>100%</b> | <b>14.54</b>  | <b>248.27</b> | <b>3609.8</b> |

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

## Matt Viscose Jersey (Double Face) - Yarn Production

| Process Name           | Material                         |
|------------------------|----------------------------------|
| Carding (CO2e g)       | Viscose generic (CHINA) 63.9778  |
| Winding (CO2e g)       | Viscose generic (CHINA) 147.1489 |
| Sizing (CO2e g)        | Viscose generic (CHINA) 3.0616   |
| Ring Spinning (CO2e g) | Viscose generic (CHINA) 307.0934 |
| Warping (CO2e g)       | Viscose generic (CHINA) 10.4094  |
| Roving (Co2e g)        | Viscose generic (CHINA) 25.5911  |
| Dyeing (CO2e g)        | Viscose generic (CHINA) 79.6015  |
| Blowing (CO2e g)       | Viscose generic (CHINA) 57.58    |
| Drawing (CO2e g)       | Viscose generic (CHINA) 38.3867  |
| <b>Total</b>           | <b>732.8504</b>                  |

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

## Matt Viscose Jersey (Double Face) - Cutting & Stitching

| Process Name  | Material                       |
|---------------|--------------------------------|
| Major cutting | Viscose generic (CHINA) 0.0083 |
| <b>Total</b>  | <b>0.0083</b>                  |

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

## Matt Viscose Jersey (Double Face) - Garment Manufacturing

| Process Name               | Material                         |
|----------------------------|----------------------------------|
| Garment dyeing (CO2e g)    | Viscose generic (CHINA) 168.8684 |
| Finishing Emissions (CO2g) | Viscose generic (CHINA) 102.9685 |

| Process Name               | Material                         |
|----------------------------|----------------------------------|
| Laundry Emissions (CO2e g) | Viscose generic (CHINA) 102.9685 |
| Washing & Drying Emissions | Viscose generic (CHINA) 15.1021  |
| <b>Total</b>               | <b>389.9075</b>                  |

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

## Matt Viscose Jersey (Double Face) - Fabric Production

| Process Name          | Material                         |
|-----------------------|----------------------------------|
| Heat Setting (CO2e g) | Viscose generic (CHINA) 0.2746   |
| Coating (CO2e g)      | Viscose generic (CHINA) 0        |
| Bonding (CO2e g)      | Viscose generic (CHINA) 0.5698   |
| Weaving (CO2e g)      | Viscose generic (CHINA) 260.8536 |
| <b>Total</b>          | <b>261.698</b>                   |

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

## Matt Viscose Jersey (Double Face) - Finishing & Packaging

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

| Production Group | Process Name   | Country | CO2e   | Value |
|------------------|----------------|---------|--------|-------|
| ---              | Plastic Hanger | CHINA   | 0.0862 | 1     |

## Satin - Raw Material

| Material        | Percentage  | CO2e per GRAM | Fabric Grams  | CO2e Grams    |
|-----------------|-------------|---------------|---------------|---------------|
| Viscose generic | 100%        | 14.54         | 248.2665      | 3609.7954     |
| <b>Total</b>    | <b>100%</b> | <b>14.54</b>  | <b>248.27</b> | <b>3609.8</b> |

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

## Satin - Yarn Production

| Process Name     | Material                         |
|------------------|----------------------------------|
| Carding (CO2e g) | Viscose generic (CHINA) 63.9778  |
| Winding (CO2e g) | Viscose generic (CHINA) 147.1489 |

| Process Name           | Material                         |
|------------------------|----------------------------------|
| Sizing (CO2e g)        | Viscose generic (CHINA) 3.0616   |
| Ring Spinning (CO2e g) | Viscose generic (CHINA) 307.0934 |
| Warping (CO2e g)       | Viscose generic (CHINA) 10.4094  |
| Roving (Co2e g)        | Viscose generic (CHINA) 25.5911  |
| Dyeing (CO2e g)        | Viscose generic (CHINA) 79.6015  |
| Blowing (CO2e g)       | Viscose generic (CHINA) 57.58    |
| Drawing (CO2e g)       | Viscose generic (CHINA) 38.3867  |
| <b>Total</b>           | <b>732.8504</b>                  |

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

## Satin - Cutting & Stitching

| Process Name  | Material                       |
|---------------|--------------------------------|
| Major cutting | Viscose generic (CHINA) 0.0083 |
| <b>Total</b>  | <b>0.0083</b>                  |

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

## Satin - Garment Manufacturing

| Process Name               | Material                         |
|----------------------------|----------------------------------|
| Garment dyeing (CO2e g)    | Viscose generic (CHINA) 168.8684 |
| Finishing Emissions (CO2g) | Viscose generic (CHINA) 102.9685 |
| Laundry Emissions (CO2e g) | Viscose generic (CHINA) 102.9685 |
| Washing & Drying Emissions | Viscose generic (CHINA) 15.1021  |
| <b>Total</b>               | <b>389.9075</b>                  |

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

## Satin - Fabric Production

| Process Name          | Material                         |
|-----------------------|----------------------------------|
| Heat Setting (CO2e g) | Viscose generic (CHINA) 0.2746   |
| Coating (CO2e g)      | Viscose generic (CHINA) 0        |
| Bonding (CO2e g)      | Viscose generic (CHINA) 0.5698   |
| Weaving (CO2e g)      | Viscose generic (CHINA) 260.8536 |
| <b>Total</b>          | <b>261.698</b>                   |

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

## Satin - Finishing & Packaging

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

| Production Group | Process Name   | Country | CO2e   | Value |
|------------------|----------------|---------|--------|-------|
| ---              | Plastic Hanger | CHINA   | 0.0862 | 1     |

## Final Transportation

| Material        | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|-----------------|----------------|---------------------|------------|----------------------|
| Viscose generic | CHINA          | UNITED KINGDOM      | AIR - 0    | 0                    |
| <b>Total</b>    |                |                     |            | <b>0</b>             |

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