MaxiFlex® Endurance™

Product Climate Change Impact

System Boundary
The cradle-to-gate Life Cycle Assessment covers emissions from raw material extraction through to the point where the product leaves the manufacturing facility and warehouse.

Product: **42-848**



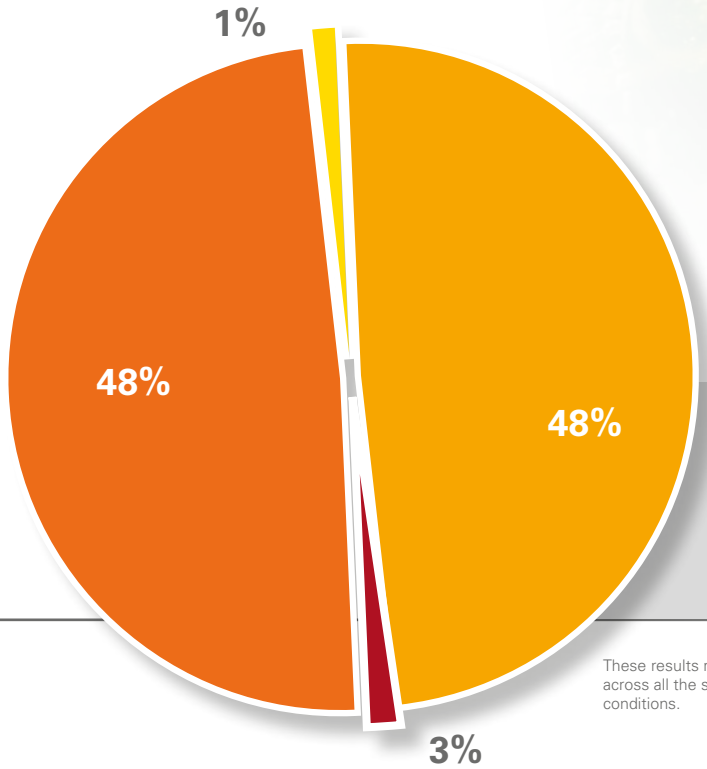
Standards used for LCA

ISO 14040:2006 - Life Cycle Assessment Principles and Framework
ISO 14044: 2006 - Life Cycle Assessment Requirements and Guidelines

Total Carbon Footprint: **0.647 kg CO_2e/Pair**

Life Cycle Stage-Wise Breakdown

Data based on evaluation in **2025**



- Raw Material Extraction + Production
- Production + Manufacturing
- Packaging Material Extraction + Production
- Transportation + Distribution

Key Takeaways

- Manufacturing-related emissions largely based on fossil-based energy use.
- Upstream Emissions from Raw Materials Production dominate the Life Cycle Impact contributing to 48% of Total

These results reflect ATG® MaxiFlex® Endurance™ 42-848 average production and logistics data across all the sites. Figures may vary depending on production scale, glove size mix, and sourcing conditions.

www.atg-glovesolutions.com/sustainability

sustainable since the beginning

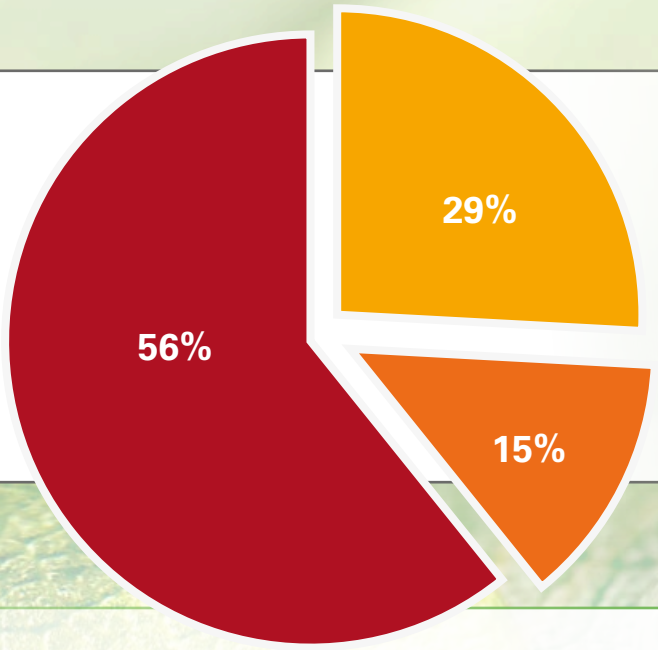
ATG® Intelligent Glove Solutions

MaxiFlex® Endurance™

Product Climate Change Impact

Emission Category

Product: **42-848**



Key Takeaways

- Scope 3 Emissions are the Major Contributor with 56% from the overall GHG emissions.

Scope 1 *(Direct GHG emissions – Process)*

Scope 2 *(Indirect GHG emissions – Production)*

Scope 3 *(Other emissions – Upstream/Downstream)*

End-use, washing and disposal phases are excluded.from the GHG Emissions calculated for the LCA

SUSTAINABILITY through extended use

Our gloves are designed to be laundered and reused so that the end user can extract every piece of technology out of them. This provides an economic benefit to the end-users as they don't need disposing of prematurely and reduces the amount of waste.

It also reduces the amount of materials required to manufacture a new glove and the energy/ greenhouse gases, required for that process.

We believe that all safety gloves should be designed, and certified, for re use.



sustainable since the beginning

OTG® Intelligent Glove Solutions