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carboncalcpcf.com

Product Carbon Footprint for nifmxflijs

Report for: xjfujhyfhv | By: gwfifegfgg

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Total PCF
9.51 kg CO₂e
Per 1.0 unit

Functional Unit

1.0

unit of nifmxflijs

System Boundary

factory_gate

Cradle-to-gate

Production Country

China

Focus: Europe Supply Chain

Accounting Standard

GHG Protocol

2026 LSR Updates

Highlights & Hotspots

- **Use Phase Dominance:** The product's use phase accounts for the largest portion of its carbon footprint (6.25 kg CO₂e), highlighting the impact of operational energy consumption.
- **Material Impact:** Material production, particularly Aluminum Casing (2.00 kg CO₂e), is a significant upstream hotspot, driven by materials with high embodied carbon.
- **GHG Protocol Adherence:** The analysis rigorously follows the GHG Protocol, including the 2026 LSR Standard updates and striving for 95% Scope 3 coverage, ensuring comprehensive assessment.

Recommendations for Emission Reduction

- **Optimize Use Phase:** Implement R&D for more energy-efficient designs and educate consumers on sustainable usage to reduce operational energy demands.
- **Sustainable Material Sourcing:** Prioritize alternative materials with lower embodied carbon, increase recycled content, and collaborate with suppliers for greener production.
- **Enhance Circularity:** Strengthen take-back and recycling programs to maximize material recovery, thereby decreasing the reliance on virgin materials and reducing end-of-life impacts.
- **Green Logistics:** Evaluate and optimize transport routes and modes, favoring lower-emission options, and partner with logistics providers committed to decarbonization.

This dashboard summarizes findings based on illustrative data from the full report. All numerical values are for demonstration purposes due to placeholder input data.