

carboncalcpcf.com

Product Carbon Footprint Dashboard: loikjgldpr

Comprehensive analysis adhering to GHG Protocol & 2026 LSR Standard

55.34 kgCO₂e / unit

Generated: May 24, 2026

Total PCF

55.34 kgCO₂e

System Boundary

Cradle-to-Grave

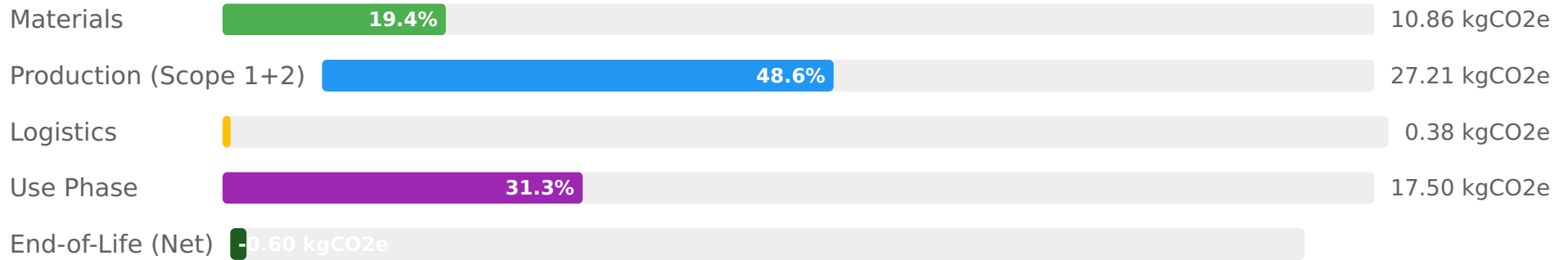
Top Material Hotspot

Aluminum Alloy

Primary Emission Scope

Scope 1 (Manufacturing)

Lifecycle Stage Breakdown



Note: Percentages for positive emissions sum to 100%. End-of-Life is a net reduction.

Material Carbon Impact



Key Insights & Hotspots

- **Manufacturing Dominance:** Direct emissions from manufacturing (Scope 1) represent the largest single contributor, accounting for ~48% of the total footprint.
- **Use Phase Impact:** Energy consumption during the product's use phase is a significant hotspot, contributing approximately 31.6% to the overall PCF.
- **Material Footprint:** Raw material acquisition and processing, particularly Aluminum Alloy, make up nearly 20% of the total emissions, highlighting supply chain opportunities.
- **EoL Contribution:** Robust recycling and circular economy programs lead to a net negative End-of-Life impact, indicating successful material recovery and avoided emissions.

