

html

Product Carbon Footprint Dashboard

Product: erugjgfeqm | **Company:** ywmuzhgrrj

Standard: GHG Protocol | **Report Date:** May 25, 2026

carboncalcpcf.com

15.19 kgCO₂e

per 1.0 unit

Total Carbon Footprint

15.19 kgCO₂e

for eruggfeqm (1.0 unit)

Carbon Intensity

15.19 kgCO₂e/unit

per functional unit

Top Material Hotspot

Aluminum Alloy

1.00 kgCO₂e (61.5% of materials)

Primary Emission Scope

Scope 3 Downstream

12.61 kgCO₂e (83.0% of total)

Key Insights & Hotspots

- **Use Phase Dominance:** The product's operational use accounts for 82.3% of the total carbon footprint, making it the primary hotspot.
- **Material Impact:** Raw materials, particularly Aluminum Alloy, contribute significantly as the second-largest hotspot (10.7% of total PCF).
- **Renewable Energy Benefit:** High renewable energy usage (70%) in manufacturing significantly mitigates Scope 2 emissions, which contribute only 5.9%.

Recommendations for Reduction

- **Optimize Use Phase Efficiency:** Implement design changes and educate users to reduce energy consumption during the product's lifespan.
- **Sustainable Material Sourcing:** Explore lower-carbon materials, increase recycled content, and collaborate with suppliers for greener options.
- **Enhance Renewable Energy Adoption:** Further increase renewable energy share in manufacturing and encourage its use throughout the value chain.
- **Strengthen Circularity Programs:** Leverage take-back initiatives and design for disassembly to maximize material recovery and extend product life.