

Product Carbon Footprint Analysis

Product: guhijmlmvw

Total PCF: 21.771 kg CO₂e per unit

Total Footprint

21.771 kg CO2e

Carbon Intensity

21.771 kg CO2e/unit

Top Material Hotspot

Steel Casing (2.0 kg CO2e)

Primary Emission Scope

Scope 3 (83.18%)

Recommended Actions for Reduction

- **Data Collection:** Prioritize gathering primary data for all material inputs, energy consumption, and actual transport logistics for higher accuracy.
- **Product Design:** Focus on enhancing energy efficiency during the use phase and exploring alternative, lower-carbon materials.
- **Renewable Energy:** Invest in or procure 100% renewable energy for manufacturing operations to further reduce Scope 2 emissions.
- **Supply Chain Engagement:** Work closely with suppliers to obtain product-specific or supplier-specific emission factors for materials and components.
- **Logistics Optimization:** Continuously optimize transport routes, consolidate shipments, and consider shifting to lower-carbon transport modes (e.g., rail, sea).