

html

carboncalcpcf.com

Carbon Footprint Dashboard:
krryloulit

Product: krryloulit | Quantity: 1.0 unit | Standard: GHG Protocol

Total PCF
63.28 kg CO₂e

63.28 kg CO2e

Total Product Footprint

63.28 kg CO2e/unit

Carbon Intensity

ABS Plastic

Top Material Hotspot

Scope 3 (94.4%)

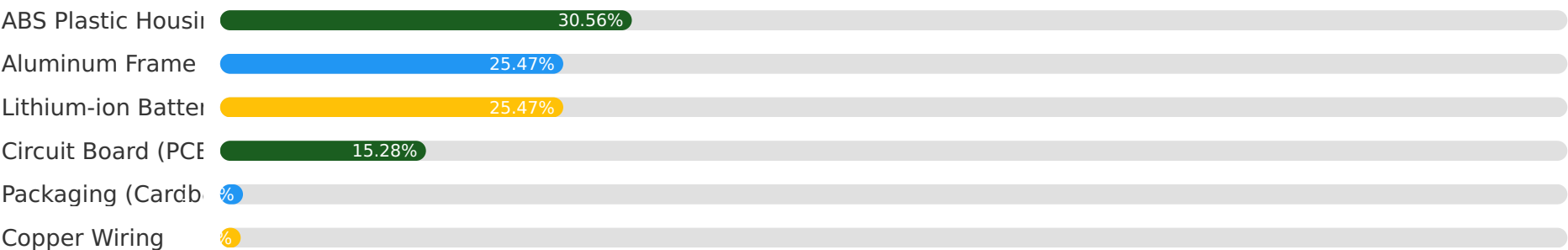
Primary Emission Scope

Lifecycle Stage Breakdown

- Materials (18.5%) - 11.78 kg CO2e
- Manufacturing (6.6%) - 4.20 kg CO2e
- Logistics (39.5%) - 25.11 kg CO2e
- Use Phase (35.4%) - 22.50 kg CO2e
- End-of-Life (Credit) - -0.31 kg CO2e

Percentages for pie chart based on positive contributions; End-of-Life represents a net carbon credit.

Material Carbon Impact



Breakdown of the 11.78 kg CO2e from Purchased Goods & Services.

Key Emission Highlights

- **Downstream Transportation:** Represents the largest share (40.0%) of the total PCF, primarily from last-mile delivery.
- **Use of Sold Products:** Contributes significantly (36.0%), highlighting the importance of product energy efficiency during its lifespan.
- **Purchased Materials:** Raw materials account for 18.8% of the PCF, with ABS Plastic, Aluminum, and Lithium-ion Batteries being key contributors.

Recommended Action Plan

- **Optimize Logistics:** Investigate and optimize downstream transportation, especially last-mile delivery.
- **Enhance Energy Efficiency:** Focus on improving the energy efficiency of krryloulit during its use phase.
- **Sustainable Material Sourcing:** Collaborate with suppliers for lower-carbon and recycled materials, applying circular design.
- **Expand Renewable Energy:** Increase investment in and procurement of renewable energy for manufacturing facilities.
- **Improve Data Collection:** Implement robust systems for collecting primary data for more accurate future assessments.