carboncalcpcf.com

Product Carbon Footprint Dashboard

Product: rkylmtnuyk

Total PCF: 324.22 kgCO2e

Total Footprint

324.22 kgCO2e

Carbon Intensity

324.22 kgCO2e/unit

Top Hotspot

Use Phase (94.6%)

Primary Scope

Scope 3 (Downstream)

Lifecycle Stage Breakdown

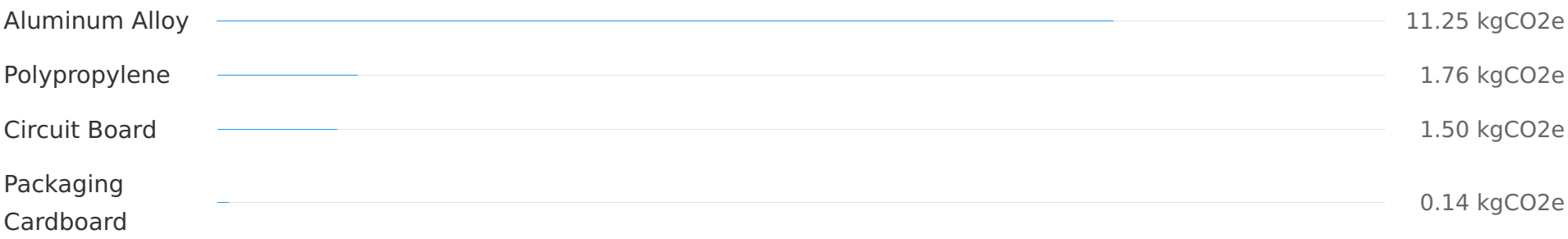
Raw Materials Manufacturing Transportation Use Phase

End-of-Life: -2.93 kgCO2e (-0.9% of total) removed due to active recycling and circularity programs.

Key Insights

- The **Use Phase** is the dominant emission hotspot, contributing approximately 94.6% of the total product carbon footprint.
- **Raw Material Acquisition** is the second largest contributor (4.5%), highlighting the importance of sustainable material sourcing.
- The product benefits from proactive **circularity and take-back programs**, resulting in a net negative End-of-Life emission impact.

Material Carbon Impact



Recommendations for Emission Reduction

- **Optimize Use Phase Efficiency:** Focus on lower-power components, energy-saving modes, and smart energy management features.
- **Transition to Renewable Energy in Use:** Encourage end-users to power the product with renewable energy sources.
- **Sustainable Material Sourcing:** Continue efforts to source low-carbon materials, explore recycled content, and engage with environmentally conscious suppliers.
- **Enhance Circularity:** Leverage existing take-back programs and investigate opportunities to extend product lifespan through repairability and modular design.
- **Detailed LSR Integration:** Prepare for the full implementation of the GHG Protocol LSR Standard for detailed data collection on land-related emissions.