Product Carbon Footprint Dashboard

Product: gnqtifoutj

Company: vuqmnwhxmp | **Standard:** GHG Protocol

32.63 kg CO2e

Total Product Carbon Footprint

carboncalcpcf.com

Total Footprint

32.63 kg CO2e

For 1 unit of gnqtifoutj

Carbon Intensity

32.63 kg CO2e/unit

Reference flow: 1.0 unit

Top Material Hotspot

Aluminium Heat Sink

12.0 kg CO2e (approx. 37% of total PCF)

Primary Emission Scope

Scope 3 (Upstream)

Emissions Breakdown by Lifecycle Stage

Lifecycle Contribution

Note: The End-of-Life stage results in a net carbon saving of 1.0 kg CO2e due to 80% recyclability and established take-back programs.

Raw Materials Production Transport Use Phase

Material Carbon Impact

Based on 20.53 kg CO2e subtotal for raw materials.

Aluminium Heat Sink Steel Component A Plastic Casing Copper Wiring Silicon Microchip

Key Findings & Hotspots

- **Material Impact Dominates:** Raw material acquisition and pre-processing account for approximately 63% of the total footprint, primarily driven by Aluminium and Steel components.
- **Significant Use Phase Emissions:** The energy consumed during the product's 7-year lifespan contributes around 32% to the overall carbon footprint.
- **Circular Economy Benefits:** Strong recyclability (80%) and existing take-back programs lead to a net carbon *saving* in the End-of-Life phase, demonstrating positive circularity impacts.