

carboncalcpcf.com

Product Carbon Footprint Dashboard

Product: vzvfiwyplt (nsgqgjtivy)

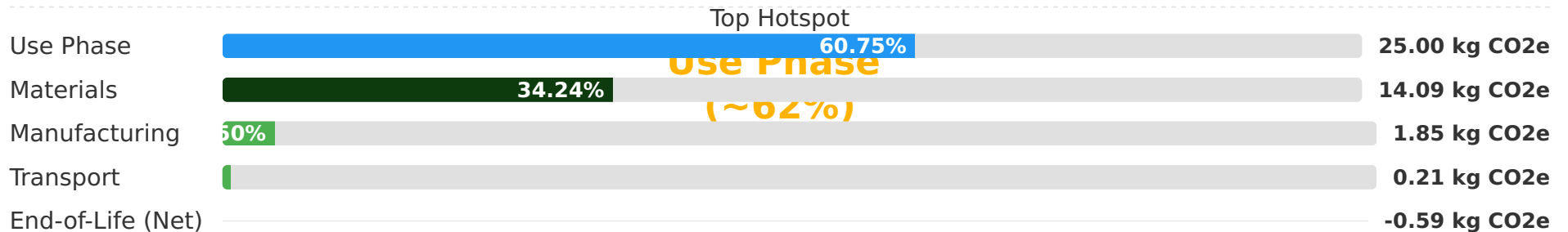
Total Footprint: 40.06 kg CO2e / unit

Key Metrics

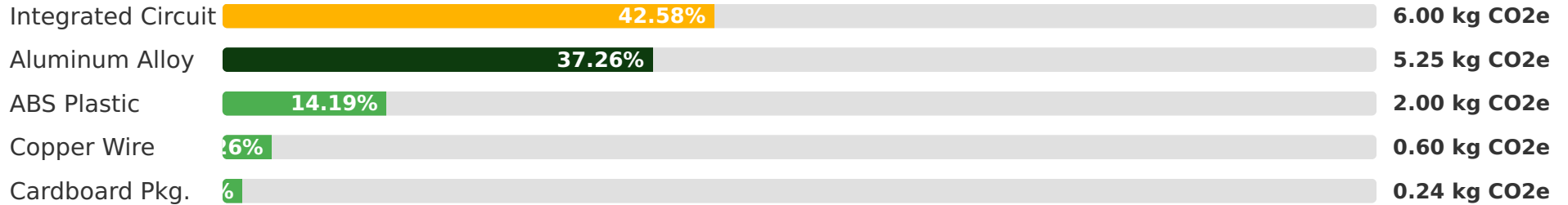
Emission Breakdown

Total PCF
40.06 kg CO2e

Lifecycle Stages (Total Positive Emissions: 41.15 kg CO2e)



Material Carbon Impact (Total: 14.09 kg CO2e)



Highlights

- **Product Use Phase is the primary hotspot**, contributing approximately 62% of the total carbon footprint due to operational energy consumption over its lifespan.
- **Material Acquisition & Processing accounts for about 35%**, driven largely by energy-intensive materials such as Aluminum and specialized electronic components.
- Manufacturing (Scope 1 & 2) contributes a smaller but significant portion, totaling around 4.6% of emissions.

Recommendations for Reduction



Optimise Use Phase: Improve energy efficiency of 'vzvfiwyplt' during its operational life through lower power components or software optimizations.

☐ **Material Decarbonisation:** Engage with suppliers to source lower-carbon intensity materials and explore increased recycled content for high-impact materials.

☐ **Circular Economy Expansion:** Strengthen take-back programs ('gvelxjlxyt') to maximize reuse and recycling, further enhancing avoided emissions at End-of-Life.

☐ **Manufacturing Energy Transition:** Continue to increase the share of renewable energy ('fzofmzxjxx') in manufacturing operations to further reduce Scope 2 emissions.

☐ **Supply Chain Optimization:** Continuously optimize logistics, including mode selection and route efficiency, to minimize transport-related emissions.