

carboncalcpcf.com

Product Carbon Footprint Dashboard

32.29 kgCO₂e

Product	Quantity	System Boundary	Standard	Production Country
hrnlpelvfp	1.0 unit	Cradle-to-Grave	GHG Protocol	China

Total Footprint

32.29 kgCO₂e

Carbon Intensity

32.29 kgCO₂e / unit

Top Emission Hotspot

Use Phase

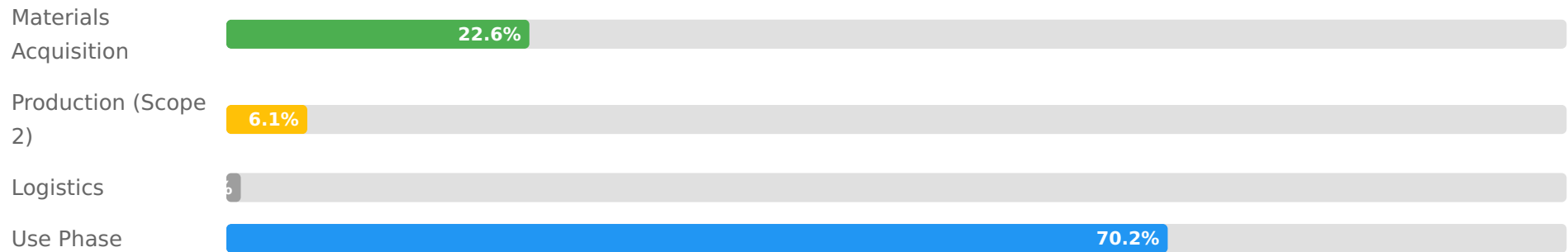
~70% of gross emissions

Primary Emission Scope

Scope 3

Value chain emissions

Lifecycle Emission Breakdown



End-of-Life Credit: -6.15 kgCO₂e (Reduces overall footprint)

Recommendations for Emission Reduction

- Invest in R&D to improve the energy efficiency of the product during its operational life and educate consumers on efficient product use.
- Prioritize sourcing lower-carbon intensity materials, such as secondary (recycled) aluminium, and engage with suppliers for decarbonization.
- Increase the utilization of renewable energy in manufacturing operations beyond the current 75% to further minimize Scope 2 emissions.
- Optimize transportation routes and explore lower-emission transport modes (e.g., rail) for both inbound and outbound logistics.
- Strengthen existing take-back and refurbishment programs to achieve higher recyclability rates and explore innovative EoL solutions.