

firtypmpnr

Product Carbon Footprint (PCF) Analysis

83.07 kg CO₂e

Total PCF per 1.0 unit

FUNCTIONAL UNIT

1.0 unit

SYSTEM BOUNDARY

Cradle-to-Grave

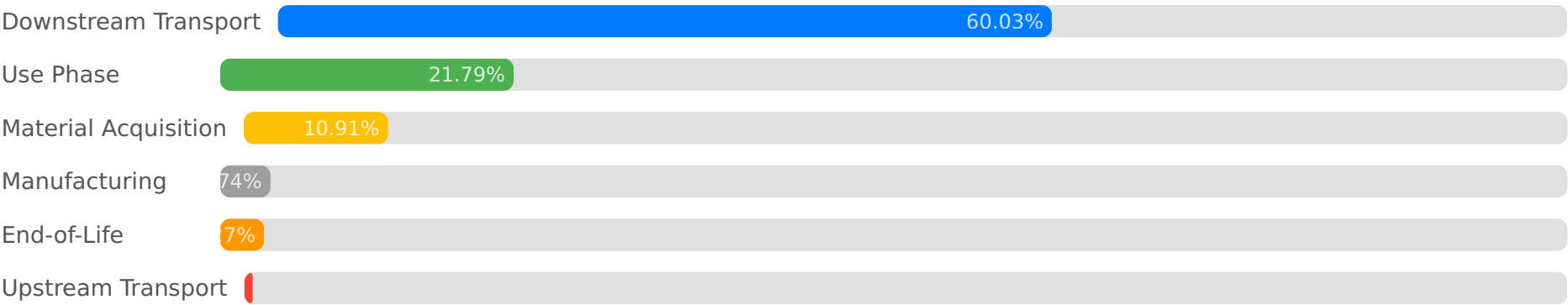
PRIMARY EMISSION SCOPE

Scope 3 (96.26%)

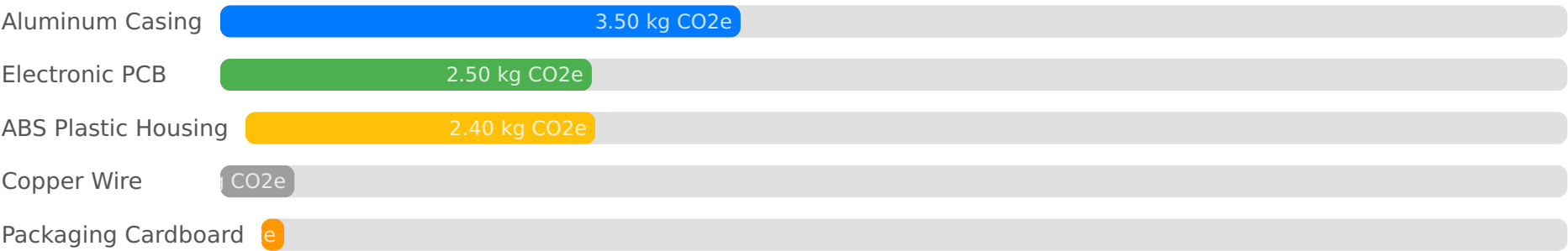
PRODUCTION COUNTRY

China

Lifecycle Stage Breakdown



Material Carbon Impact



Highlights: Key Emission Hotspots

- **Downstream Transportation** accounts for approximately 60% of the total PCF due to last-mile delivery.
- The **Use Phase** contributes significantly (21.8%) due to energy consumption over the product's lifespan.
- **Material Acquisition** is responsible for 10.9% of emissions, with Aluminum Casing being the top material hotspot.

Action Plan: How to Reduce Impact

Optimize delivery routes, explore electric vehicles, or consolidate shipments to reduce	Downstream Transportation	impact.
Improve product energy efficiency and promote renewable energy use by end-users to reduce	Use Phase	emissions.
Source lower-carbon materials, increase recycled content, and design for material efficiency to mitigate	Material Acquisition	impact.

carboncalcpf.com

Report for firtypmpnr by jgpiqxyuvj, hgnzerszyf. Adheres to GHG Protocol.

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