

html

carboncalcpcf.com

Product Carbon Footprint for tovgprrdsi

Total PCF: 17.01 kg CO₂e

Total Footprint

17.01 kg CO₂e

Per 1.0 unit

System Boundary

Cradle-to-Grave

GHG Protocol Standard

Primary Emission Scope

Scope 3

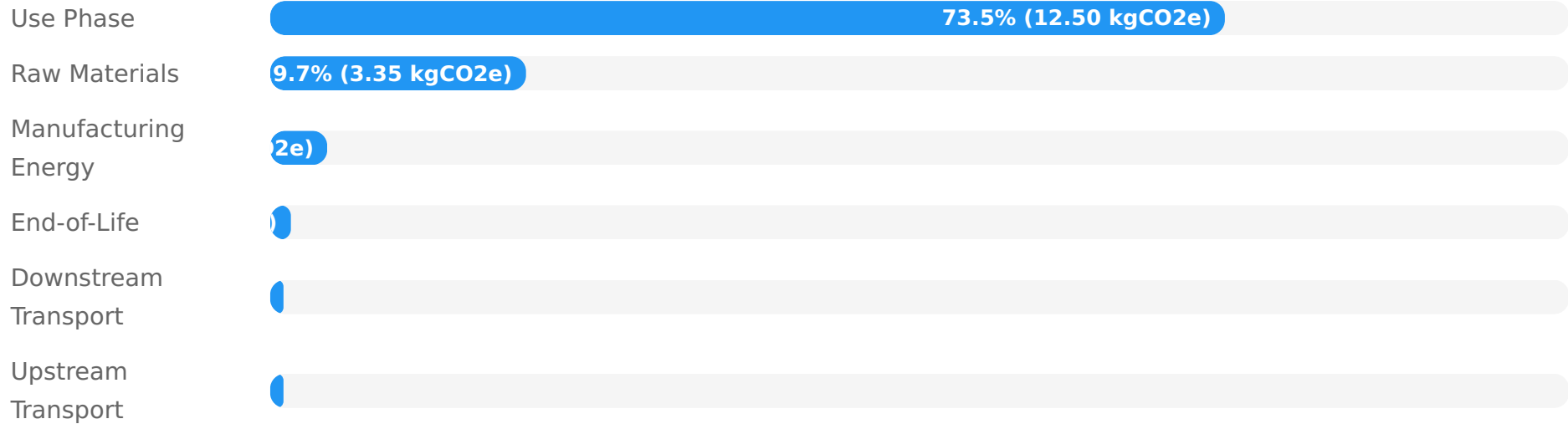
Use Phase Dominant

Production Country

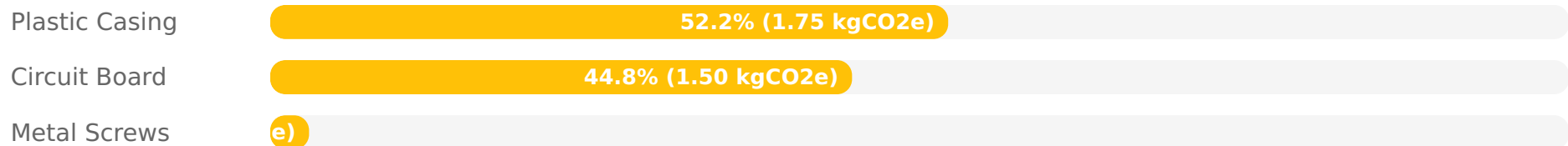
China

Report Date: May 26, 2026

Lifecycle Emission Breakdown



Material Carbon Impact (Illustrative BOM)



Key Insights & Hotspots

- The **Use Phase** is the dominant contributor, accounting for ~73.5% of the total PCF, primarily due to energy consumption over the product's 5-year lifespan.
- **Raw Materials** contribute significantly at ~19.7% of the footprint, highlighting the importance of sustainable material selection and design.
- **Manufacturing Energy** represents ~4.4%, with potential for reduction through increased renewable energy adoption at the production facility.

Action Plan Focus Areas

- Prioritize **energy efficiency** in product design and encourage renewable energy sources for end-users.
- Invest in **material innovation** and responsible sourcing with lower embodied carbon.
- Enhance **renewable energy adoption** at manufacturing facilities and improve process efficiency.