

# Product Carbon Footprint: thjzsetth [carboncalcpcf.com](https://carboncalcpcf.com)

**Company:** swvjpdfjdu

**Consultant:** welqflnsvy

**Standard:** GHG Protocol

**Production Country:** China

**Total Carbon Footprint**

**35.6** kg CO<sub>2</sub>e

**Carbon Intensity**

**35.6** kg CO<sub>2</sub>e/unit

**Primary Emission Scope**

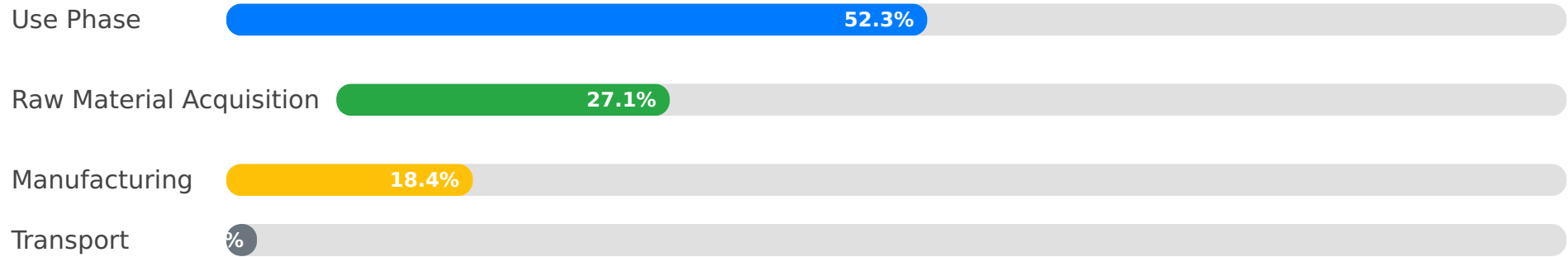
**Scope 3**

(28.57 kg CO<sub>2</sub>e)

**Recyclability Rate**

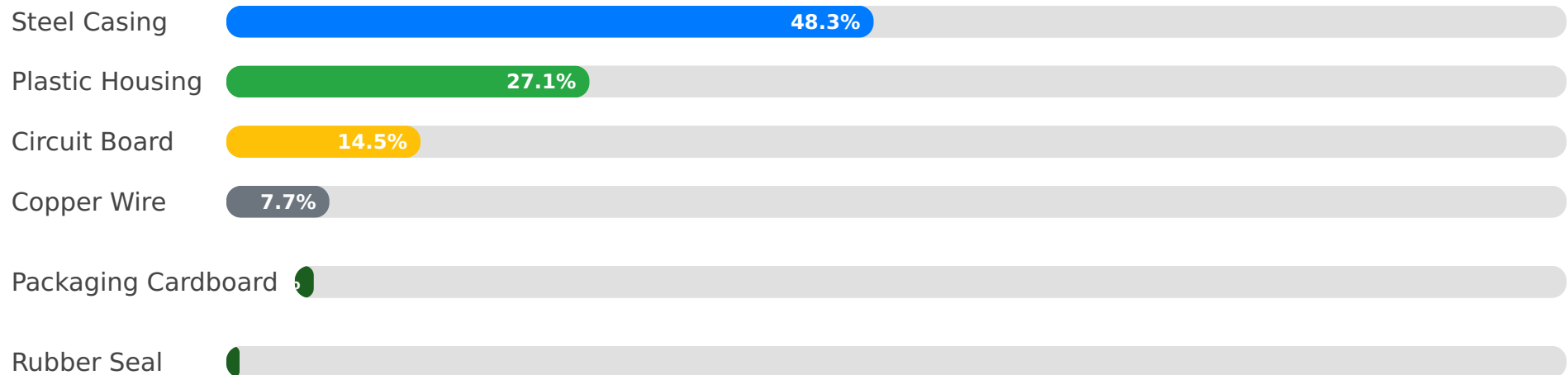
**70%**

## Carbon Footprint by Lifecycle Stage



End-of-Life provides a net benefit of -2.665 kg CO<sub>2</sub>e due to active recycling programs.

## Material Acquisition Carbon Impact



## Key Highlights & Hotspots

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- **Use Phase Dominance:** The product's energy consumption over its 5-year lifespan is the largest contributor to its footprint, accounting for 20.0 kg CO<sub>2</sub>e.
- **Material Impact:** Raw material acquisition, particularly for steel casing (5.0 kg CO<sub>2</sub>e) and plastic housing (2.8 kg CO<sub>2</sub>e), represents a significant upstream impact.
- **Manufacturing Efficiency:** While robust, manufacturing contributes 7.025 kg CO<sub>2</sub>e, indicating potential for further optimization in energy usage and renewable energy integration.

