

html

carboncalcpcf.com

# Product Carbon Footprint Dashboard

for **wmiemkoejm**, manufactured by qtrirwouvy

Total PCF

**35.138** kgCO<sub>2</sub>e/unit

Carbon Intensity

**35.138** kgCO<sub>2</sub>e/unit

Top Material Hotspot

**Aluminum Casing** (7.385 kgCO<sub>2</sub>e)

**Primary Emission Scope**

**Scope 3** (33.638 kgCO<sub>2</sub>e)

**System Boundary**

**Cradle-to-Grave**

## Lifecycle Stage Breakdown

Raw Material & Proc.	23.32%
Manufacturing Energy	4.27%
Transportation	1.01%
Use Phase	71.15%
End-of-Life	0.26%

## Highlights

- **Use Phase Dominance:** The product's operational life accounts for approximately 71% of its total carbon footprint, driven by electricity consumption.
- **Material Matters:** Raw material acquisition and processing contribute significantly (approx. 23%), with primary aluminum identified as a key hotspot.
- **Mitigated Manufacturing:** Despite manufacturing in China, 75% renewable energy usage considerably reduces direct production emissions.