

carboncalcpcf.com

Product Carbon Footprint Dashboard

Product: xjtjsmkplo | System Boundary: factory_gate | Standard: GHG Protocol

72.80 kg CO₂e

Total PCF (Factory Gate)

Total Lifecycle Impact

114.80 kg CO₂e

Cradle-to-Grave Estimate

Carbon Intensity (FG)

72.80 kg CO₂e/unit

Per 1.0 unit of xjtjsmkplo

Top Factory Gate Hotspot

Raw Materials

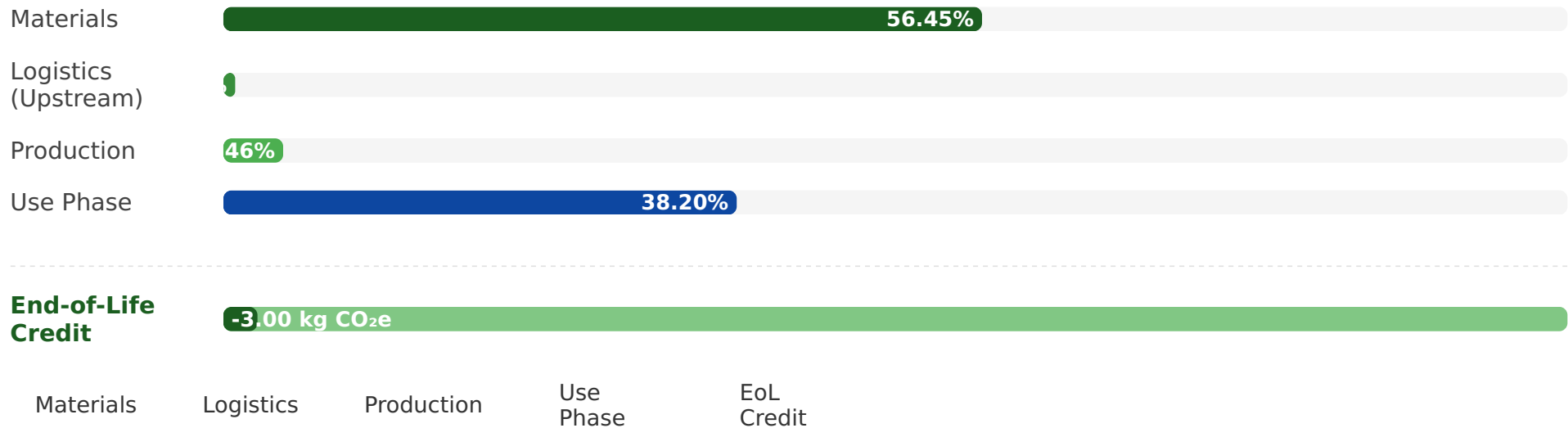
66.50 kg CO₂e (91.3% of FG)

Renewable Energy Usage

50%

In manufacturing operations

Lifecycle Stage Breakdown (Extended)



Key Emission Highlights

- **Raw Materials Dominance:** Purchased goods & services account for 91% of factory-gate emissions, underscoring material sustainability as a critical area.
- **Significant Use Phase Impact:** The use phase contributes 39% to the total extended lifecycle impact, highlighting the need for energy-efficient product design.
- **Circular Economy Efforts:** The product benefits from 50% renewable energy in manufacturing and a company-operated take-back program, resulting in a significant End-of-Life credit.

