

Carbon Footprint Dashboard

34.48 kg
CO₂e

Product: mpmmlqjpnx • Company: howwdzffpt

Total Product Footprint / unit

Total Footprint

34.48 kg CO₂e

Per functional unit (1.0 unit)

Carbon Intensity

34.48 kg CO₂e/unit

Cradle-to-grave boundary

Raw Material Impact

7.11 kg CO2e






Raw Material Acquisition (20.6% of total)

Primary Emission Scope

Scope 3

97.7% of total emissions

Lifecycle Stage Breakdown

Use Phase		25.00 kg
Raw Materials		7.11 kg
Manufacturing		3.36 kg
Transportation		0.81 kg
End-of-Life		0.76 kg

*Percentages may not sum to 100% due to rounding.

Key Emission Hotspots

Use Phase (72.5%): The most significant contributor, primarily due to the product's energy consumption over its 5-year lifespan.

Raw Material Acquisition & Pre-processing (20.6%): Materials with high embodied carbon, such as ABS Plastic Casing (2.56 kg CO₂e), Steel, and Aluminum.

Manufacturing (Energy) (9.7%): A notable hotspot, despite 60% renewable energy use; further decarbonization of the grid or increased renewable sourcing can reduce this.

Strategic Action Plan

- 1 Optimize Use Phase Efficiency:** Invest in R&D to significantly reduce the product's energy consumption during its operational lifespan.
- 2 Sustainable Material Sourcing:** Explore alternative materials with lower embodied carbon and prioritize increased recycled content where feasible.
- 3 Enhance Renewable Energy Adoption:** Increase the share of renewable energy at manufacturing facilities through direct procurement or on-site generation.
- 4 Strengthen Circular Economy Initiatives:** Expand and promote take-back programs to maximize material recovery and recycling rates.

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Senior Sustainability Consultant: wgdhhgvwxS • Standard: GHG Protocol