

carboncalcpcf.com

## Product Carbon Footprint Summary: dyeozvuwvn

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**TOTAL PCF**

39.91 kg CO<sub>2</sub>e

## Key Metrics for dyeozvuwn

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**39.91**

TOTAL FOOTPRINT (KG CO2E / UNIT)

**1.0**

UNITS ANALYZED

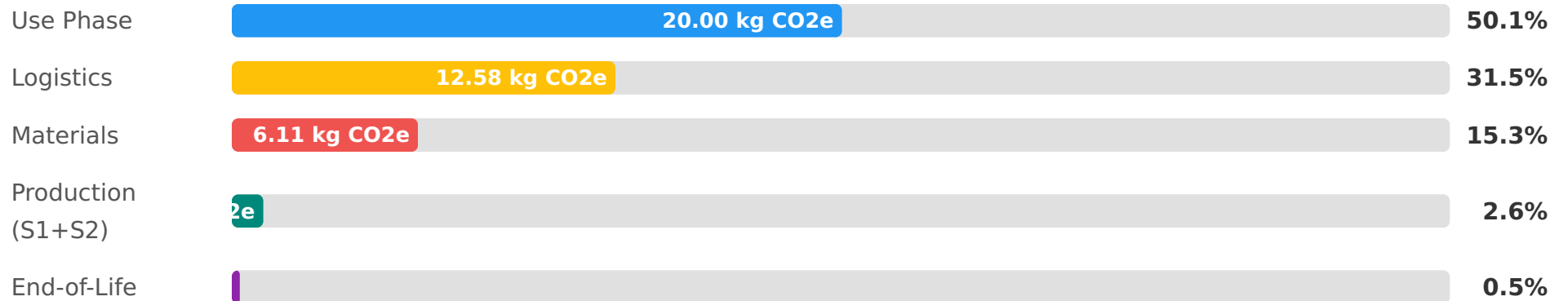
**Use Phase**

PRIMARY LIFECYCLE HOTSPOT (50.1%)

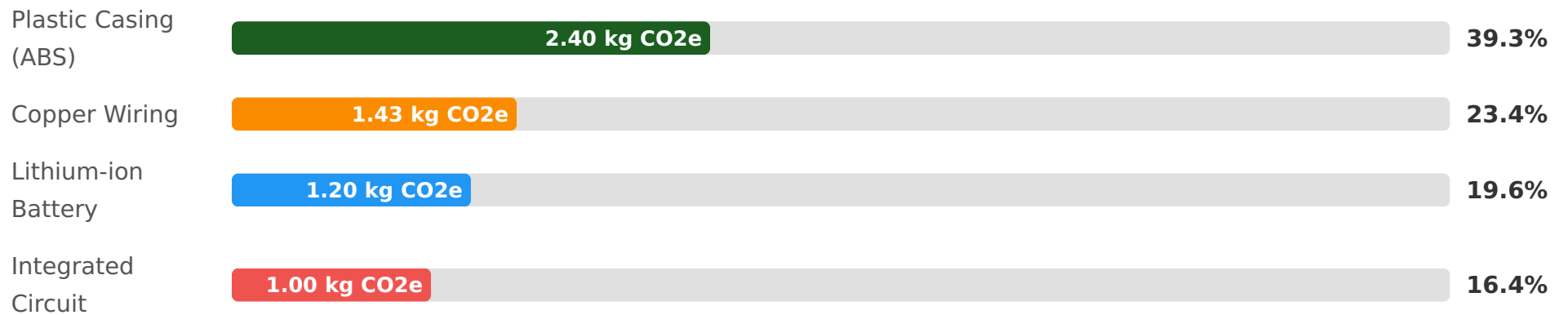
**Scope 3**

PRIMARY GHG SCOPE

## Lifecycle Stage Breakdown



## Top Material Carbon Impacts



## Insights & Recommendations

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## Emission Hotspot Highlights

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- The **Use Phase** dominates the product's carbon footprint, accounting for over half (50.1%) of total emissions, primarily due to energy consumption over its 5-year lifespan.
- **Transportation and Distribution** is the second largest contributor (31.5%), with last-mile delivery and general supply chain logistics creating significant impact.
- **Purchased Goods & Services** (materials) represent a notable 15.3% of emissions, with Plastic Casing, Copper Wiring, and Lithium-ion Batteries being key contributors.

## Strategic Recommendations for Reduction

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- > **Optimize Use Phase:** Focus on enhancing product energy efficiency and extending product lifespan through durable design and consumer education on efficient usage.
- > **Supply Chain Optimization:** Explore more efficient transport modes (e.g., rail, sea) for longer distances, consider localized sourcing, and optimize last-mile delivery routes.
- > **Material Innovations:** Investigate lower-carbon alternative materials and engage suppliers to reduce the embodied carbon of components.
- > **Enhance Circularity:** Fully leverage the existing product take-back and refurbishment program to maximize recyclability and extend product/component lifecycles.

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Report for mezsfxdli | Generated by esgyujwdwd, Senior Sustainability Consultant | May 22, 2026