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ensenxtemp Carbon Footprint Overview

Product PCF Analysis Report (May 22, 2026)
Company: opjzslfwwt | Standard: GHG Protocol

18.985 kg CO₂e

per unit of ensenxtemp

Total Footprint

18.985 kg CO2e

per unit

Carbon Intensity

10.098 kg CO2e

per kg product mass

Top Hotspot Category

Materials (44%)

Acquisition & Processing

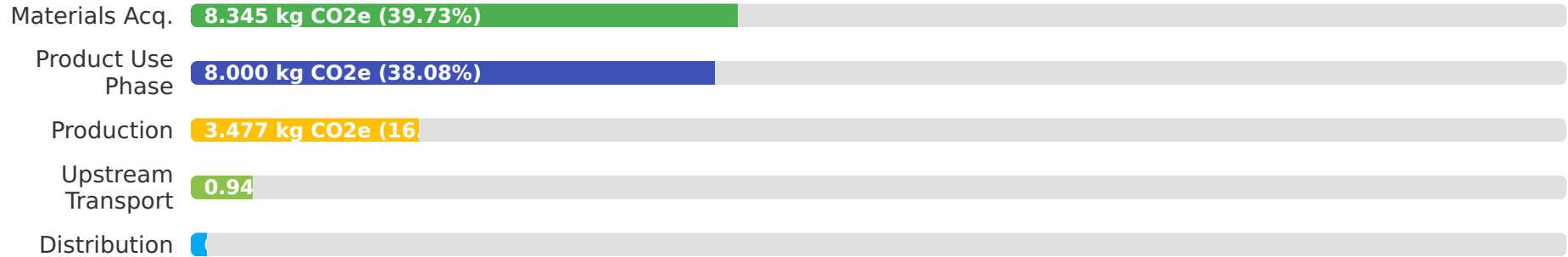
Primary Emission Scope

Scope 3

15.508 kg CO2e (81.7%)

Lifecycle Stage Breakdown

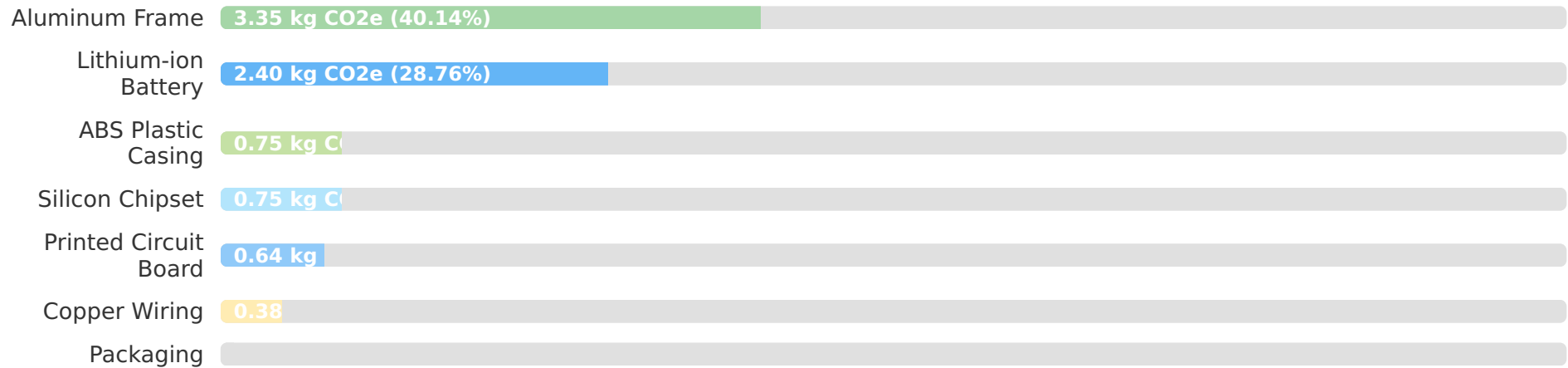
Emissions by Stage (Total Positive Contributions = 21.006 kg CO2e)



Note: End-of-Life phase provides a net credit of -2.021 kg CO2e due to high recyclability.

Material Carbon Impact

Contribution of Materials to Upstream Emissions (Total = 8.345 kg CO2e)



Key Insights & Hotspots

- **Materials Acquisition & Processing** accounts for ~44% of the total PCF, with Lithium-ion Battery, Aluminum Frame, and Silicon Chipset being major contributors.
- The **Product Use Phase** is the second largest hotspot at ~42%, driven by energy consumption over its 4-year lifespan.
- The **End-of-Life** phase shows a net negative emission (-2.021 kg CO₂e) due to a 75% recyclability rate and active take-back programs.

Recommendations for Emission Reduction

- **Material Optimization:** Prioritize low-carbon materials (e.g., recycled aluminum, bio-based plastics) and design for dematerialization to reduce total material mass.
- **Enhance Use Phase Efficiency:** Invest in R&D for more energy-efficient design and promote renewable energy use among consumers for powering devices.
- **Supply Chain Engagement:** Collaborate with suppliers to implement energy efficiency and increase renewable energy usage in their manufacturing processes.
- **Strengthen Circularity:** Expand take-back and refurbishment programs to maximize product and component reuse, and improve recyclability of remaining components.