

carboncalcpcf.com

Product Carbon Footprint Dashboard for mkyhlozuel

Report Generated: June 2, 2026

Total Carbon Footprint: 24.29 kg CO2e

Total Product Footprint

24.29 kg CO₂e

Carbon Intensity (per unit)

24.29 kg CO₂e/unit

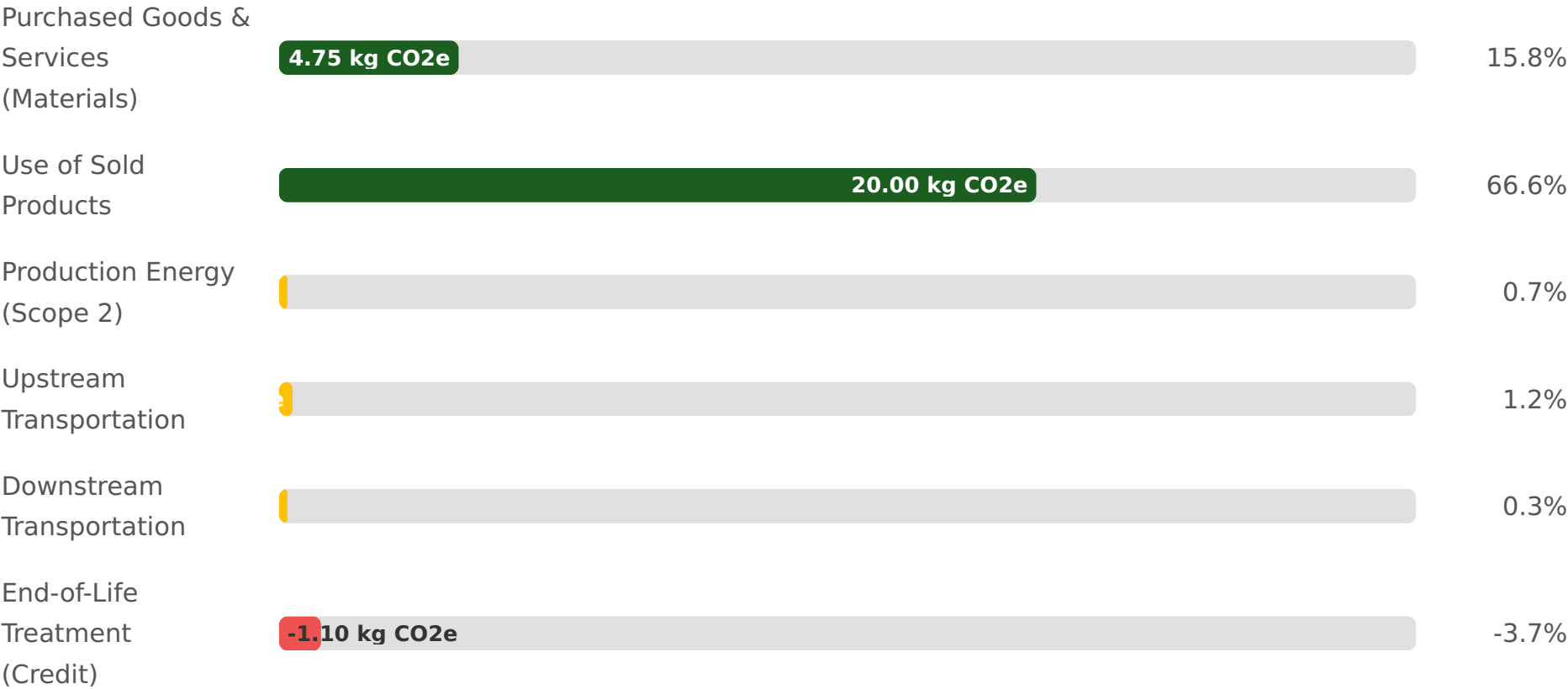
Top Material Hotspot

Silicon Chip & Li-ion Battery

Primary Emission Scope

Scope 3 (Use Phase)

Lifecycle Carbon Footprint Breakdown



Highlights & Hotspots

- The ****Use Phase**** is the most significant hotspot, accounting for approximately 66.6% of the total PCF, mainly due to ongoing electricity consumption over the product's lifespan.
- ****Purchased Goods and Services**** (Raw Materials) contribute significantly (15.8%), with Silicon Chips and Lithium-ion Batteries showing high individual impacts.
- The ****End-of-Life**** stage, thanks to a 70% recyclability rate and take-back programs, results in a net carbon credit (-3.7%), demonstrating positive circular economy impacts.

Recommendations for Emission Reduction

- 1. Optimize Use Phase Efficiency:** Focus on design for lower power consumption and educating users on efficient product use.
- 2. Sustainable Material Sourcing:** Investigate lower-carbon intensity materials or increased recycled content for high-impact components.
- 3. Enhance Circularity:** Strengthen take-back and recycling programs and explore design-for-disassembly principles.
- 4. Renewable Energy Expansion:** Increase the percentage of renewable energy used in manufacturing facilities.
- 5. Supply Chain Engagement:** Work with key suppliers to encourage their decarbonization efforts for high-emission components.