carboncalcpcf.com

Product Carbon Footprint Dashboard

Analysis for: lytegojpfj

18.96 kgCO2e

Total Cradle-to-Grave Footprint per 1.0 unit

Key Metrics

Total Footprint

18.96 kgCO2e

per functional unit

Carbon Intensity

17.23 kgCO2e/kg

based on 1.1 kg product weight

Top Material Hotspot

Aluminum Frame

4.00 kgCO2e (58.9% of material impact)

Primary Emission Scope

Use Phase (Scope 3, Cat 11)

9.05 kgCO2e (47.73% of total)

Recommendations for Emission Reduction

1. **Design for Energy Efficiency:** Prioritize design improvements to reduce the energy consumption of lytegojpfj during its use phase.
2. **Sustainable Material Sourcing:** Investigate and integrate lower-carbon materials, increase the use of recycled content, and collaborate with suppliers to reduce the embedded carbon in components.
3. **Renewable Energy Transition:** Continue efforts towards 100% renewable energy usage in mzghodfopl's manufacturing operations and explore green energy options for the wider supply chain.
4. **Circular Economy Initiatives:** Strengthen the existing take-back program and explore further opportunities for product longevity, repairability, and high-quality recycling pathways to maximize circularity.
5. **Logistics Optimization:** Optimize transport routes, modes, and vehicle utilization to minimize emissions from both upstream and downstream logistics.