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Product Carbon Footprint for ojndpfvqus

Total PCF (1.0 unit)
57.90 kg CO2e

Total Footprint

57.90

kg CO2e per unit

Carbon Intensity

57.90

kg CO2e / unit

Top Material Hotspot

Aluminium Alloy

12.50 kg CO2e (44.96% of material impact)

Primary Emission Scope

Scope 3

Emission Breakdown & Hotspots

- **Material Optimization:** Prioritize materials with lower embedded carbon, increasing recycled content (e.g., for aluminium and plastics), and explore bio-based alternatives.
- **Manufacturing Efficiency:** Further increase the 70% renewable energy sourcing for manufacturing operations and implement energy efficiency measures to reduce energy intensity.
- **Use Phase Optimization:** Design for energy efficiency to reduce the 10 kWh/year consumption, and aim for a longer product lifespan (5 years currently).
- **Circular Economy:** Enhance recyclability through design and expand the active product take-back program to maximize material recovery.
- **Logistics Optimization:** Optimize transport routes and modes (e.g., from Road Freight (Truck) to rail/sea) to reduce distances (1500 km average) and emissions.