

Product Carbon Footprint for nduwmgeuum

Detailed analysis for 1.0 unit, manufactured in China, adhering to GHG Protocol.

Total PCF: 51.33 kgCO₂e

Total Footprint

51.33

kgCO₂e per unit

Carbon Intensity

10.58

kgCO₂e per kg of product

Top Material Hotspot

Silicon Chip

12.50 kgCO₂e (44.4%)

Primary Emission Scope

Action Plan: How to Reduce Carbon Footprint

- **Material Optimization:** Investigate alternative, lower-carbon materials for high-impact components like the silicon chip, and engage suppliers for product-specific data.
- **Energy Efficiency in Use:** Implement design improvements, offer energy-saving modes, or educate consumers to reduce energy consumption during the product's operational lifespan.
- **Enhanced Circularity:** Strengthen take-back programs and partnerships with recycling facilities to ensure the 80% recyclability target is consistently achieved and further improved.
- **Renewable Energy Sourcing:** Strive for 100% renewable energy procurement for manufacturing operations in China to further reduce Scope 2 emissions.