html

Carbon Footprint Dashboard: ixsjgeztwp

Product Carbon Footprint (PCF) Analysis Overview

Company: mdiierkqmz **Generated:** May 26, 2026

Standard: GHG Protocol

~[Total Value]

Estimated Total PCF (kgCO2e/unit)

China

Production Country

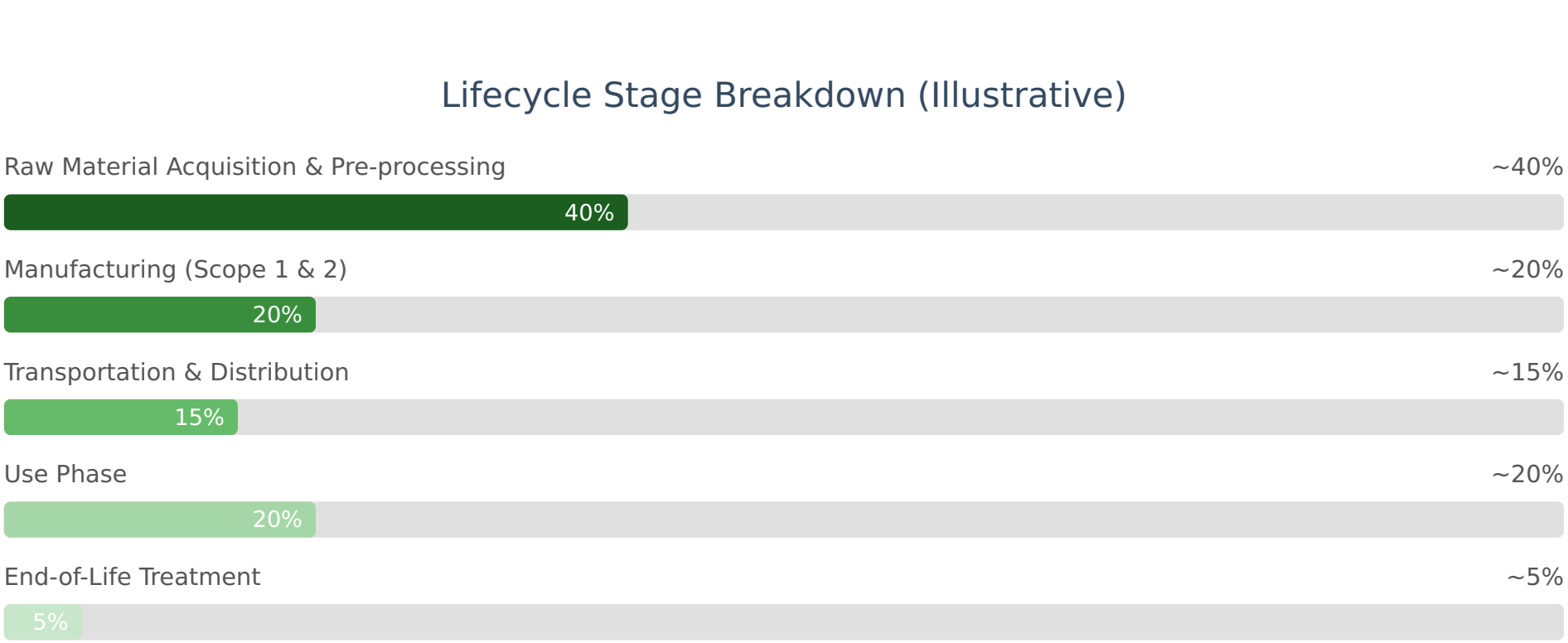
Recycled Aluminum Sheet

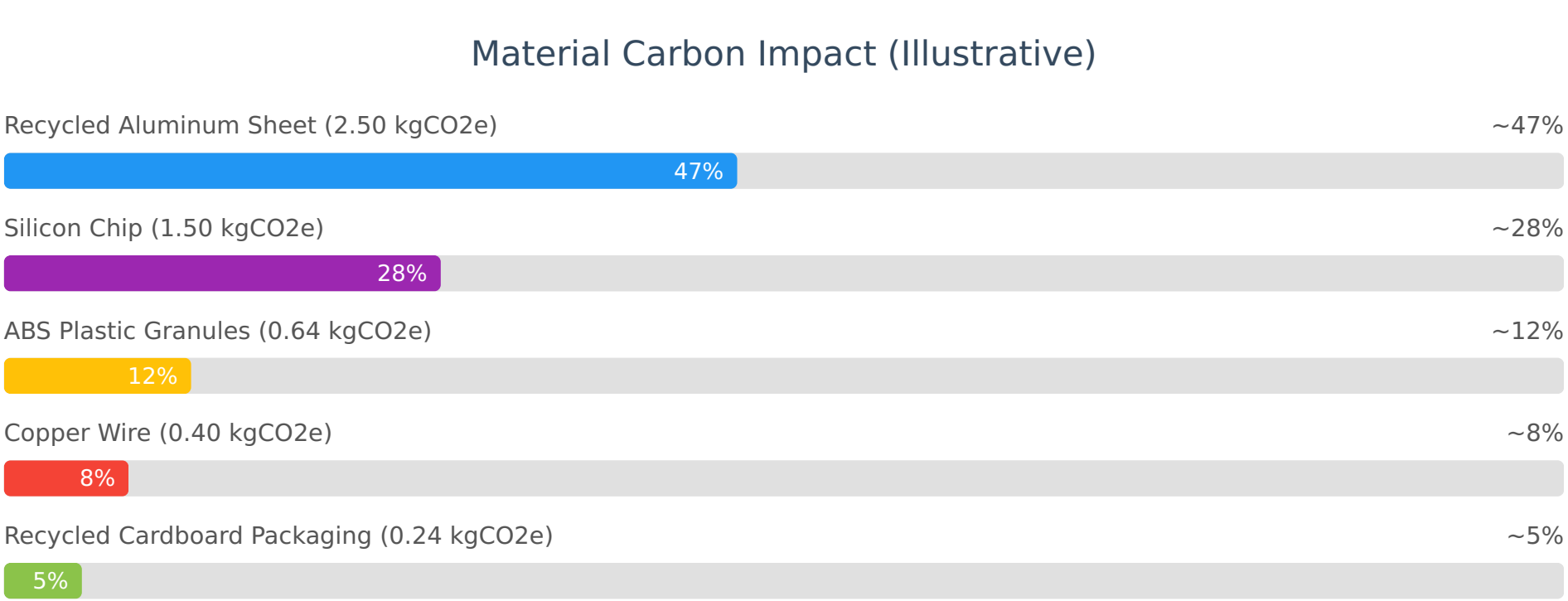
Top Material Hotspot

Scope 3

Primary Emission Scope

Emission Breakdown & Hotspots


Lifecycle Stage Breakdown (Illustrative)
Raw Material Acquisition & Pre-processing
~40%
40%
Manufacturing (Scope 1 & 2)
~20%
20%
Transportation & Distribution
~15%
15%
Use Phase
~20%
20%
End-of-Life Treatment
~5%
5%


Material Carbon Impact (Illustrative)
Recycled Aluminum Sheet (2.50 kgCO2e)
~47%
47%
Silicon Chip (1.50 kgCO2e)
~28%
28%
ABS Plastic Granules (0.64 kgCO2e)
~12%
12%
Copper Wire (0.40 kgCO2e)
~8%
8%
Recycled Cardboard Packaging (0.24 kgCO2e)
~5%
5%

Key Insights & Highlights

- The 'factory-gate' boundary for ixsjgeztwp is extended to a "cradle-to-grave" PCF, incorporating emissions from the use-phase and end-of-life.
- Raw material acquisition and pre-processing, particularly for components like Recycled Aluminum Sheet and Silicon Chips, are identified as significant carbon hotspots.
- The analysis rigorously adheres to the 2026 GHG Protocol Scope 3 requirements, targeting at least 95% coverage for a comprehensive value chain assessment.

Action Plan: Pathways to Reduction

- **Material Optimization:** Explore alternative low-carbon materials and increase recycled content beyond the current `ktvwmfgsql%`.
- **Energy & Manufacturing Efficiency:** Further decarbonize the manufacturing process by enhancing renewable energy procurement (beyond `zslhkekmkj`) and optimizing energy-intensive processes.
- **Logistics Optimization:** Investigate more efficient transport modes (beyond `Select Mode`), optimize routes to reduce overall transport distances (e.g., `ppvdsmkpln`), and consolidate shipments.
- **Product Design for Circularity:** Focus on extending product lifespan (`jyjyrwzeqk`) and improving recyclability, supported by expanding take-back programs (`ffoqneojls`).
- **Supply Chain Engagement:** Collaborate closely with suppliers to gather primary data and implement joint emission reduction initiatives throughout the upstream value chain.