Product Carbon Footprint Dashboard

Analysis for: yyrptjdufm (1.0 unit)

27.56 kgCO2e

Total Carbon Footprint

carboncalcpcf.com

27.56 kgCO2e

Total Footprint

27.56 kgCO2e/unit

Carbon Intensity

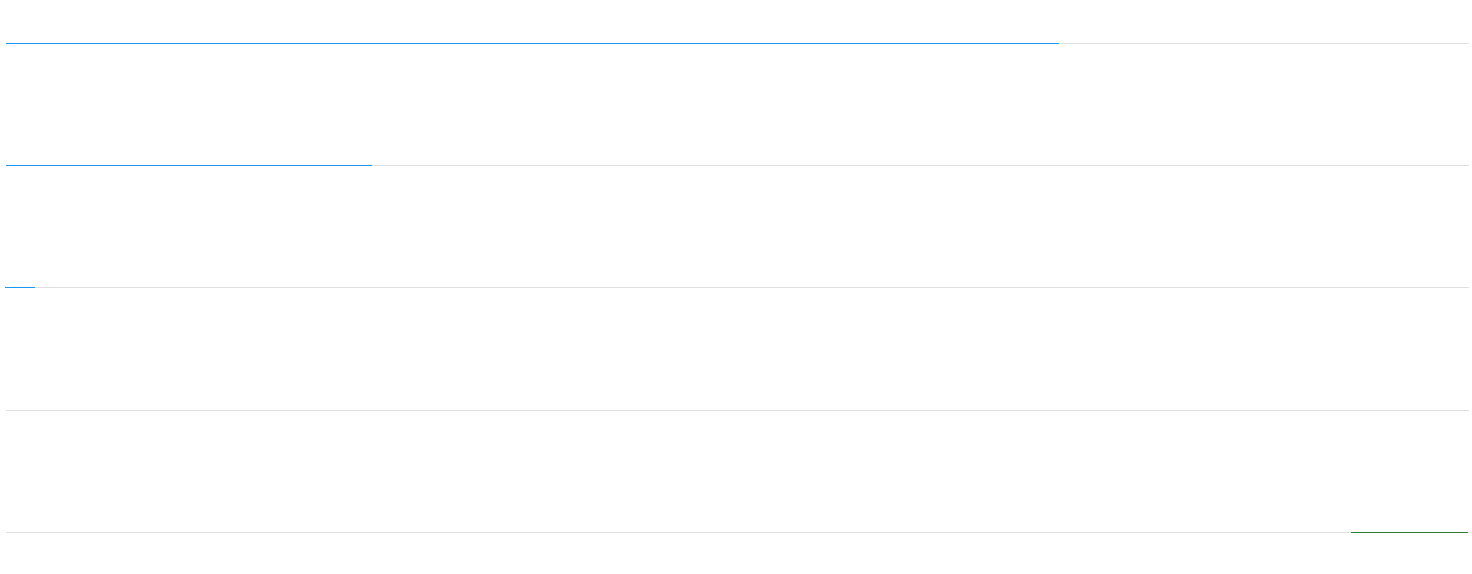
Scope 3

Primary Emission Scope

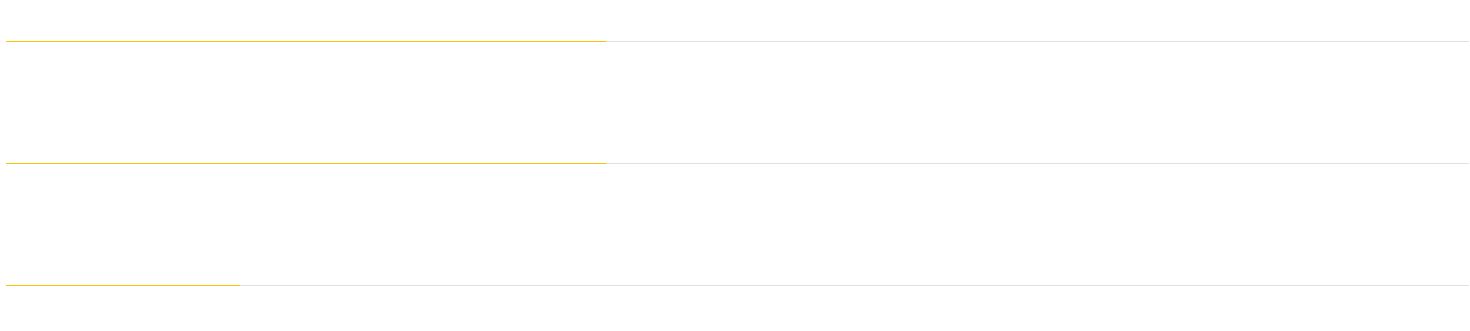
Material A (Plastic)

Top Material Hotspot

Lifecycle Stage Breakdown



Material Carbon Impact



Highlights

- The Use Phase is the predominant contributor, accounting for approximately 72.5% of the total positive emissions.
- Manufacturing/Production emissions are the second largest hotspot, representing about 25.4% of positive emissions.
- Raw Material Acquisition is also a relevant contributor, making up approximately 2.2% of positive emissions.

Action Plan: Footprint Reduction

- Optimize Use Phase Energy Efficiency: Focus on designing for lower energy consumption during product operation.
- Increase Renewable Energy Sourcing: Invest in or procure 100% renewable electricity for manufacturing facilities in China.
- Material Optimization: Explore lower-carbon materials, recycled content, and materials with higher recyclability rates.
- Enhance Circular Economy Initiatives: Strengthen and promote the existing comprehensive take-back scheme.