carboncalcpcf.com

Product Carbon Footprint Dashboard

Product: qxuuruhtwt | **Company:** znyyhhnpuu | **Standard:** GHG Protocol

30.97 kgCO2e

Total Lifecycle Carbon Footprint

Total Footprint

30.97 kgCO2e

Overall emissions across all lifecycle stages.

Carbon Intensity

30.97 kgCO2e/unit

Emissions per functional unit of product.

Top Material Hotspot

Description2

Component with the highest raw material impact (0.5 kgCO2e).

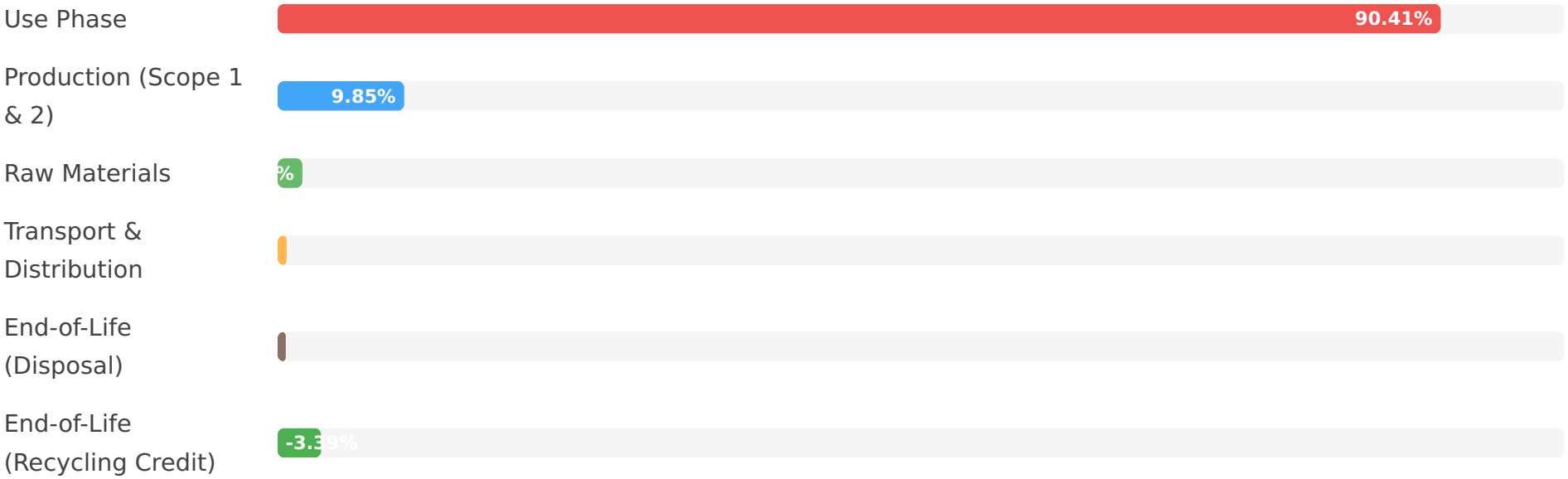
Primary Emission Scope

Scope 3

Largest contributor to total emissions (27.92 kgCO2e).

Key Emissions Breakdown

Lifecycle Stage Contributions



Highlights

- The **Use Phase** accounts for a significant 90.41% of the total carbon footprint, making it the primary hotspot.
- **Scope 3 emissions** dominate, representing 27.92 kgCO2e of the total, underscoring supply chain and downstream impact.
- Effective **recycling programs** lead to a notable -3.39% credit in the End-of-Life phase, reducing overall impact.

Material Impact Breakdown

Detailed Bill of Materials Carbon Impact

ID2 (Description2)

ID1 (Description1)

ID3 (Description3)

ID4 (Description4)

2e

Strategic Action Plan

How to Reduce Your Carbon Footprint

- ✓ **Decarbonize Use Phase:** Redesign 'qxuuruhtwt' to drastically lower its energy consumption during operation. Explore smart energy integration and renewable energy options for users.
- ✓ **Boost Green Production:** Increase renewable energy adoption beyond 50% at manufacturing facilities in China to reduce Scope 2 emissions.
- ✓ **Optimize Materials:** Investigate and source lower-carbon alternative materials for components, focusing on 'Description2', or reduce material quantities where feasible.
- ✓ **Enhance Circularity:** Strengthen existing take-back programs and prioritize design for recyclability to maximize material recovery and exceed the 70% recyclability target.
- ✓ **Improve Data Granularity:** Implement robust systems for collecting specific data on product weight, transport, and EoL pathways for more precise PCF accuracy.