

Product Carbon Footprint Dashboard

Product: **jivvdggfwh** • Functional Unit: **1.0 unit**

Standard: **GHG Protocol** • Production: **China**

12.435 kg CO2e

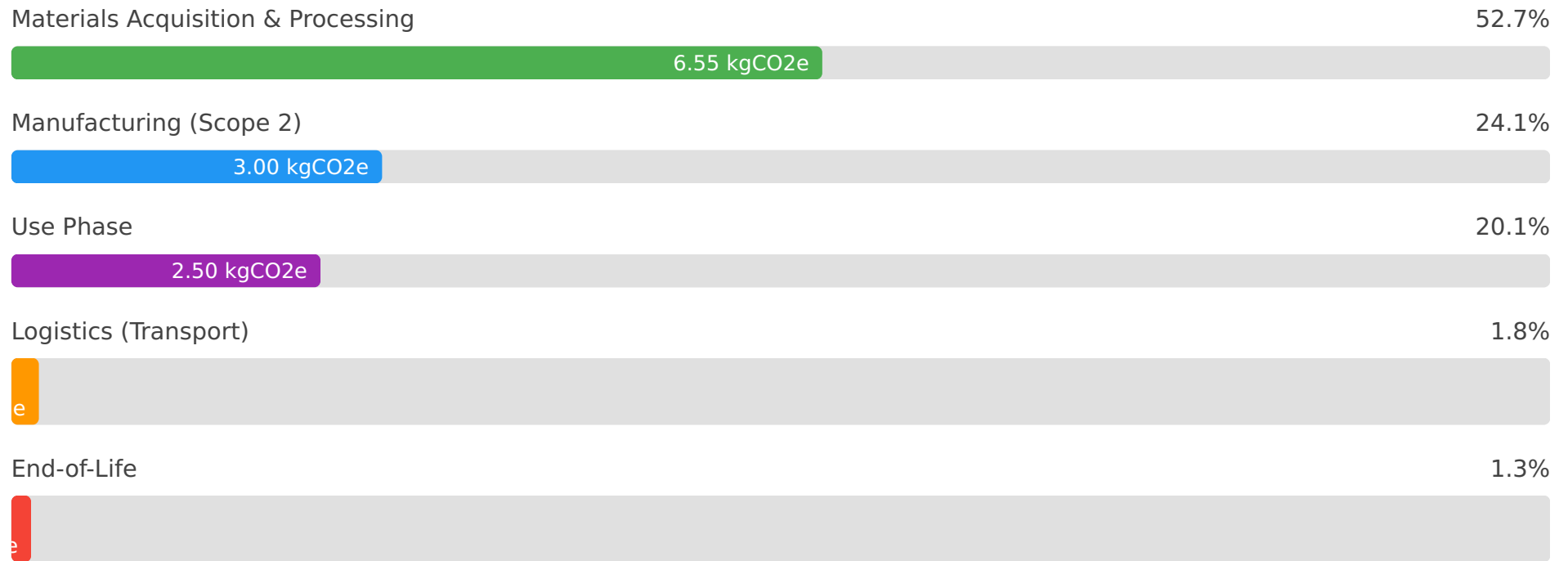
Total Carbon Footprint

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12.435

kg CO2e / unit

Lifecycle Stage Breakdown



Material Carbon Impact (Illustrative BOM)



Key Emission Highlights

Materials Acquisition & Processing is the largest hotspot, contributing ~52.7% of the total PCF.

Purchased Electricity (Scope 2) accounts for ~24.1%, highlighting energy mix importance.

Product Use Phase generates ~20.1% of emissions, driven by energy consumption over lifespan.

Recommendations for Reduction

- 1 **Material Optimization:** Explore lower-carbon alternatives and increase recycled content.
- 1 **Renewable Energy Transition:** Boost renewable energy usage beyond 50% in manufacturing.
- 1 **Energy Efficiency in Use:** Design products for minimal energy consumption during their lifespan.
- 1 **Logistics Optimization:** Implement more carbon-efficient transport modes and routes.
- 1 **Circular Economy Initiatives:** Expand take-back programs and enhance recycling rates.