

carboncalcpcf.com

# Product Carbon Footprint Dashboard

**Product:** tuynfvkhnd

Total Lifecycle Footprint: 54.99 kg CO2e/unit

**TOTAL FOOTPRINT**

**54.99**

kg CO2e/unit

**CARBON INTENSITY**

**54.99**

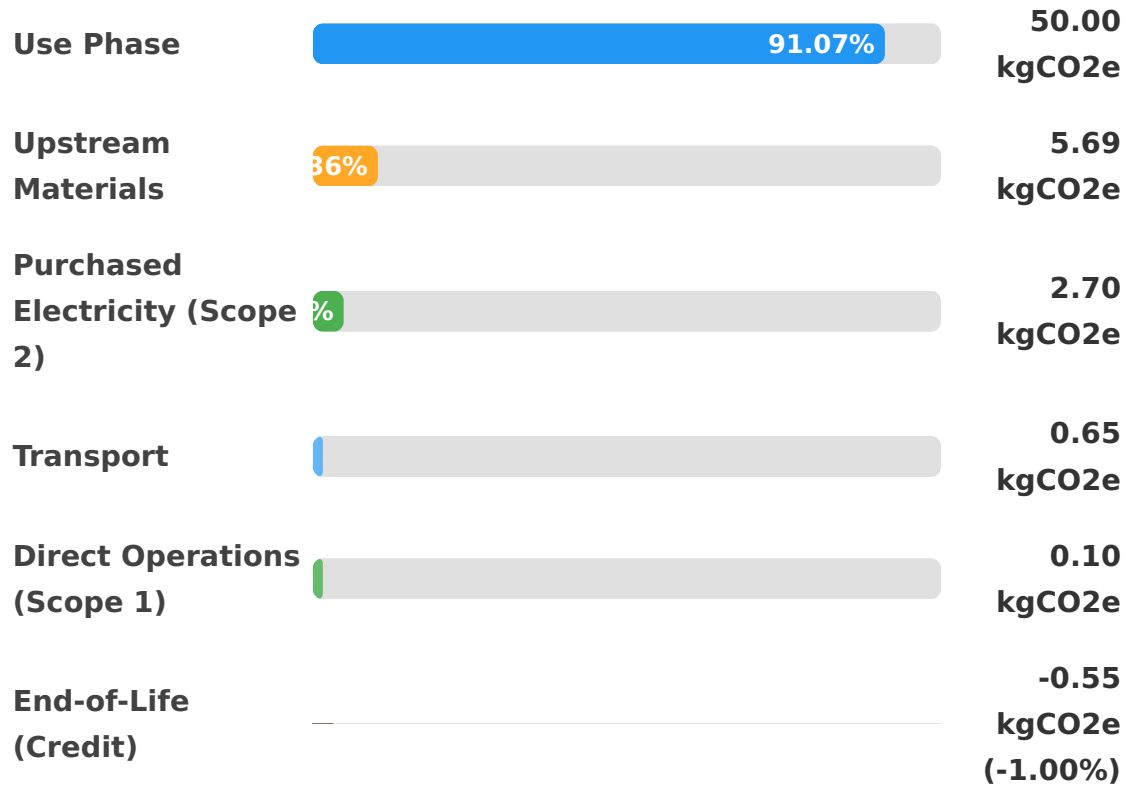
kg CO2e per unit

**TOP HOTSPOT**

**Use Phase**

91.07% of total

**PRIMARY SCOPE**



## Key Contributing Factors



### Renewable Energy

70% Used



### Recyclability

60% Rate



### Product Lifespan

5 Years



### Energy Intensity

15 kWh/unit

## Key Insights & Hotspots

---

**Dominant Use Phase Impact:** The product's operational use accounts for an overwhelming 91.07% of its total carbon footprint, making it the primary area for emission reduction efforts.

**Significant Upstream Material Emissions:** Raw material extraction and processing contribute 10.36%, highlighting the importance of sustainable sourcing and material choices.

**Scope 3 is the Major Driver:** Overall, Scope 3 (value chain) emissions represent the vast majority of the footprint, indicating that efforts beyond direct operations are crucial.

## Recommendations for Emission Reduction

---

**Optimize Use Phase Efficiency:** Focus on significantly reducing the energy consumption of "tuynfvkhnd" during its operational lifespan through more efficient components or power management.

**Material Circularity & Design for Environment:** Enhance recyclability beyond 60% and actively promote take-back programs to maximize material recovery and explore lower-carbon material alternatives.

**Supply Chain Engagement:** Collaborate with suppliers to source lower-carbon materials and encourage the adoption of renewable energy in their production processes.

**Increase Renewable Energy Procurement:** Further increase the percentage of renewable energy used in manufacturing operations to reduce remaining Scope 2 emissions.

Report prepared by hsvjnzsfmj for ropqhkjwyi

© 2026 carboncalpcf.com - All rights reserved. Confidential.