

html

Product Carbon Footprint for dwrmmnzfig

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Total PCF: **24.74 kgCO₂e**

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Total Carbon Footprint

24.74 kgCO₂e/unit

Carbon Intensity

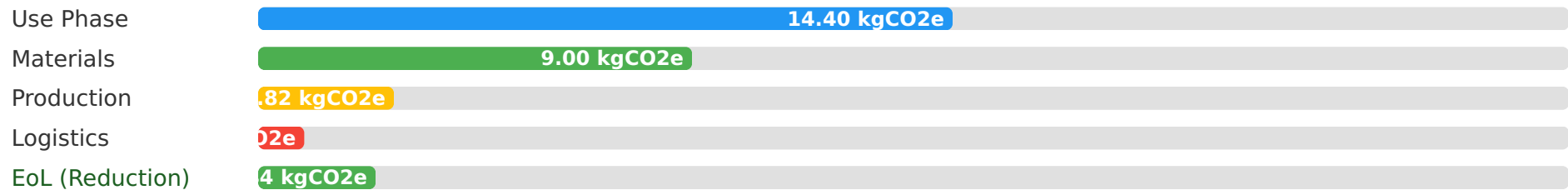
Use Phase

Top Emission Hotspot

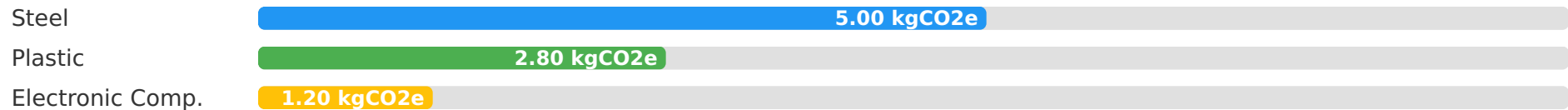
Scope 3

Primary Emission Scope

Lifecycle Stage Breakdown



Material Carbon Impact



Key Insights & Hotspots

- The **Use Phase** is the largest emission hotspot, contributing significantly due to product lifespan and grid mix.
- **Material Acquisition & Pre-processing** represents a substantial portion of upstream Scope 3 emissions.
- **Downstream Transportation**, particularly long-distance shipping, adds considerable impact despite efficient ocean freight.

Recommendations for Carbon Reduction

- **Material Optimization:** Explore opportunities to use lower-carbon intensity materials and increase recycled content.
- **Renewable Energy Expansion:** Further increase the share of renewable energy in manufacturing facilities beyond 70%.
- **Logistics Efficiency:** Optimize transport routes, explore multimodal options, and engage with low-emission logistics providers.
- **Product Design for Circularity:** Leverage the take-back program to maximize product lifespan and enable effective recycling or reuse.
- **Consumer Energy Use:** Educate consumers on energy-efficient product use or explore product designs that inherently consume less energy.