

html

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# Product Carbon Footprint for xnhhojgeni

**22.71 kg CO<sub>2</sub>e** Total Footprint

Total Product Footprint

**22.71 kg CO<sub>2</sub>e**

Carbon Intensity

**22.71 kg CO<sub>2</sub>e / unit**

Primary Emission Hotspot

**Use Phase**

Dominant GHG Scope

**Scope 3 (94.98%)**

## Lifecycle Stage Breakdown

|                   |               |
|-------------------|---------------|
| Use Phase         | 21.0 kg CO2e  |
| Raw Materials     | 2.66 kg CO2e  |
| Manufacturing     | 1.14 kg CO2e  |
| Logistics         | 0.16 kg CO2e  |
| End-of-Life (Net) | -2.25 kg CO2e |

Percentages for positive emission stages sum to 100%. End-of-Life represents a net credit.

## Emissions by GHG Scope

|                            |                        |
|----------------------------|------------------------|
| Scope 3 (Value Chain)      | 21.57 kg CO2e (94.98%) |
| Scope 2 (Purchased Energy) | 1.14 kg CO2e (5.02%)   |
| Scope 1 (Direct Emissions) | 0.00 kg CO2e (0.00%)   |

## Top Material Impacts

- **Steel Casing:** 1.25 kg CO2e
- **Circuit Board:** 0.75 kg CO2e
- **Plastic Housing:** 0.36 kg CO2e
- **Copper Wire:** 0.30 kg CO2e

