

Product Carbon Footprint Analysis for "qjzjydwoqw"

Total Product Carbon Footprint: **33.71 kgCO2e**

Functional Unit: 1.0 unit • Production Country: China • Standard: GHG Protocol

Total Footprint

33.71 kgCO2e

Carbon Intensity

33.71 kgCO2e/unit

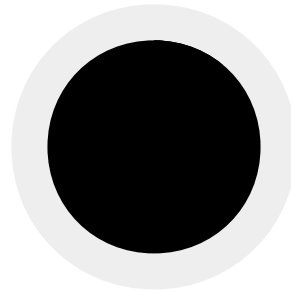
Top Material Hotspot

Processor (1.5 kgCO2e)

Primary Emission Scope

Scope 3 (Use Phase)

Lifecycle Stage Breakdown



Use Phase
(80.5%)

Materials
(12.5%)

Production
(8.0%)

Logistics
(1.2%)

End-of-Life: -0.73 kgCO₂e credit

Highlights & Insights

- The ****Use Phase**** is the primary emissions hotspot, contributing ~80.5% (27.15 kgCO₂e) of the total PCF due to energy consumption over the product's lifespan.
- ****Upstream Materials**** represent the second major hotspot, accounting for ~12.5% (4.2 kgCO₂e), with the processor and steel casing being significant contributors.
- The ****End-of-Life**** stage shows a net carbon credit (-0.73 kgCO₂e), highlighting the positive impact of high recyclability (60%) and company take-back programs.

