

LCA Report - Copper LCA Analysis

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Executive Summary

Carbon Emissions: 831.56 kg CO₂

Energy Consumed: 16663 MJ

Water Use: 1834.3 L

Circularity Index: 59%

Process Configuration

Material Type: Copper

Electricity: 1200 kWh

Fuel Type: Diesel

Fuel Energy: 12343 MJ

Transport Distance: 318 km

Transport Mode: Ship

Recommendations

1. Optimize transport routes or modes
2. Investigate renewable electricity or efficiency
3. Consider switching to renewable energy sources