

Product Carbon Footprint: mrdirlpthq

50 kg CO₂e

Total Footprint

50 kg CO₂e

per 1.0 unit of mrdirlpthq

Carbon Intensity

50 kg CO₂e/unit

Illustrative based on total

Top Material Hotspot

Aluminum Alloy A380

10.5 kg CO₂e (Illustrative)

Primary Emission Scope

Scope 3

Supply chain focus (Upstream & Downstream)

Key Highlights & Hotspots

- **Raw Material Acquisition:** Especially for energy-intensive materials like aluminum or silicon, representing a significant portion of the footprint as shown in the illustrative BOM.
- **Manufacturing Energy Consumption:** Identified as a potential hotspot, depending heavily on the regional grid mix and renewable energy adoption at the China production facility.
- **Use Phase Energy Consumption:** For products with a long lifespan and significant energy draw during operation, this phase can contribute substantially to the total footprint.

Recommendations for Emission Reduction

- ✓ **Material Optimization:** Explore alternative, lower-impact materials or increase recycled content beyond current percentages.
- ✓ **Energy Efficiency:** Invest in energy-efficient manufacturing processes and increase renewable energy sourcing at the China production facility.
- ✓ **Logistics Optimization:** Optimize transport routes, modes, and distances to reduce fuel consumption and associated emissions across the supply chain.
- ✓ **Product Design for Longevity and Circularity:** Enhance product durability and design for easier disassembly, repair, and recycling; expand take-back programs.
- ✓ **Supply Chain Engagement:** Collaborate with suppliers to improve their environmental performance and obtain primary data for more accurate Scope 3 reporting.

Emissions Breakdown by Lifecycle Stage (Illustrative)

Materials (35%)	
Production (25%)	
Logistics (15%)	
Use Phase (20%)	
End-of-Life (5%)	

Material Carbon Impact (Illustrative Top Contributors)

Aluminum Alloy A380 (10.5 kg CO ₂ e)	
ABS Plastic Granules (2.56 kg CO ₂ e)	
Silicon Wafer (2.5 kg CO ₂ e)	

Note: Percentages for material impact are relative to the highest contributing material (Aluminum Alloy A380) within the illustrative BOM data.

Report Details

Product: mrdirlpthq
Quantity: 1.0 unit
System Boundary: factory_gate
Production Country: China
Standard: GHG Protocol
Company: dolszuxplm
Consultant: qxokmqfxiq
LSR Standard: Incorporated (2026 update)
Scope 3 Compliance: Min 95% coverage required
Supply Chain Focus: Europe

All numerical values in this dashboard, including Total Carbon Footprint, Carbon Intensity, and Chart breakdowns, are illustrative. They are derived from the report's example data and assumed estimations for demonstration purposes. Actual values would require specific operational data from dolszuxplm and its supply chain.