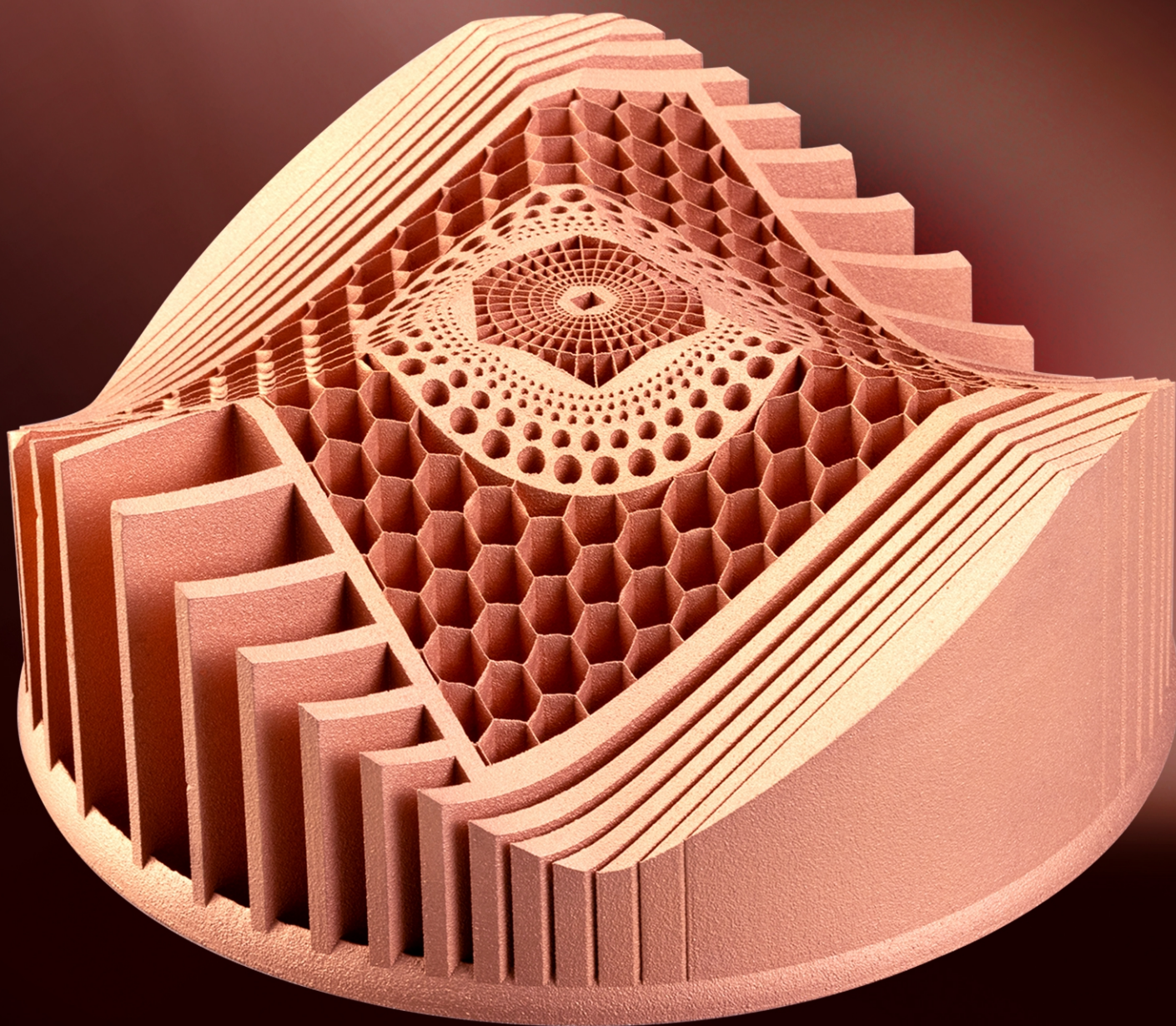


DATA SHEET

Pure Copper

**SHENZHEN ADDIREEN TECHNOLOGIES CO., LTD**

Highly Reflective Metals | Refractory Metals | Common Metals

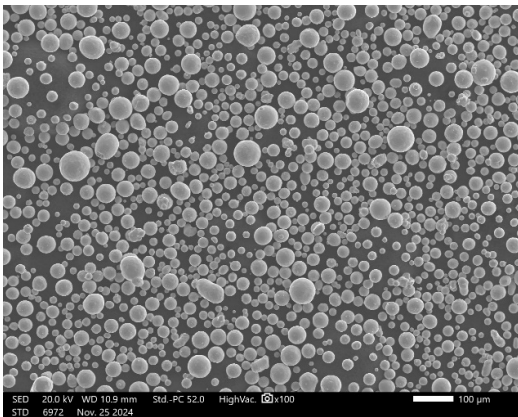
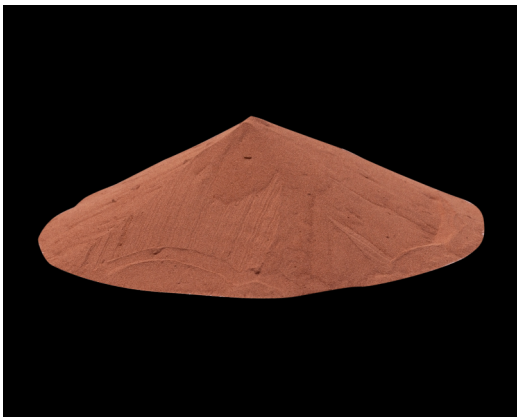
Pure Copper

Overview

Gas atomized--High purity copper for excellent electrical and thermal conductivity.

Highlights

- High purity copper with good repeatability
- Great flowability and low oxygen content
- Excellent electrical and thermal conductivity



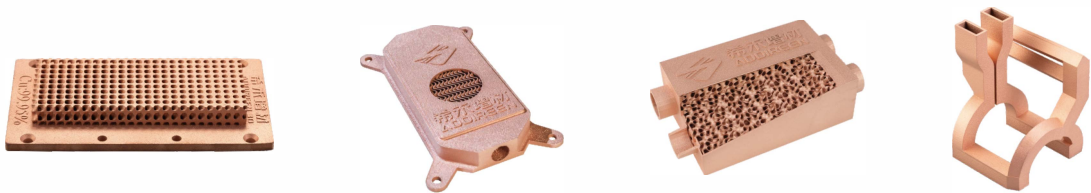
MATERIAL PARAMETERS			
Particle Size	Flowability	Bulk Density	Oxygen Content
15-53µm	≤ 20s	≥4.9g/cm ³	≤300ppm

CHEMICAL COMPOSITION IN WT%			
Item		Specification	
Essential Elements(wt%)		Cu	Balance
Impurities(wt%)		O	≤0.05
		Fe	≤0.005
		Bi	≤0.0001
		Pb	≤0.005
		Sb	≤0.002
		As	≤0.002
		S	≤0.005
Laser Particle Size Distribution(%)		D10(μm)	≥15
		D50(μm)	30-40
		D90(μm)	≤53
TYPICAL PART PROPERTIES			
Density (%)	Tensile Strength R _m (Mpa)	Yield Strength R _{p0.2} (Mpa)	Elongation at Break A(%)
99.8%	240MPa	165MPa	30%

Data tested on Addireen XH-M160 green laser test bar.

Typical Applications

EV cars | Electronics | High performance heat exchanger | Induction coils



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