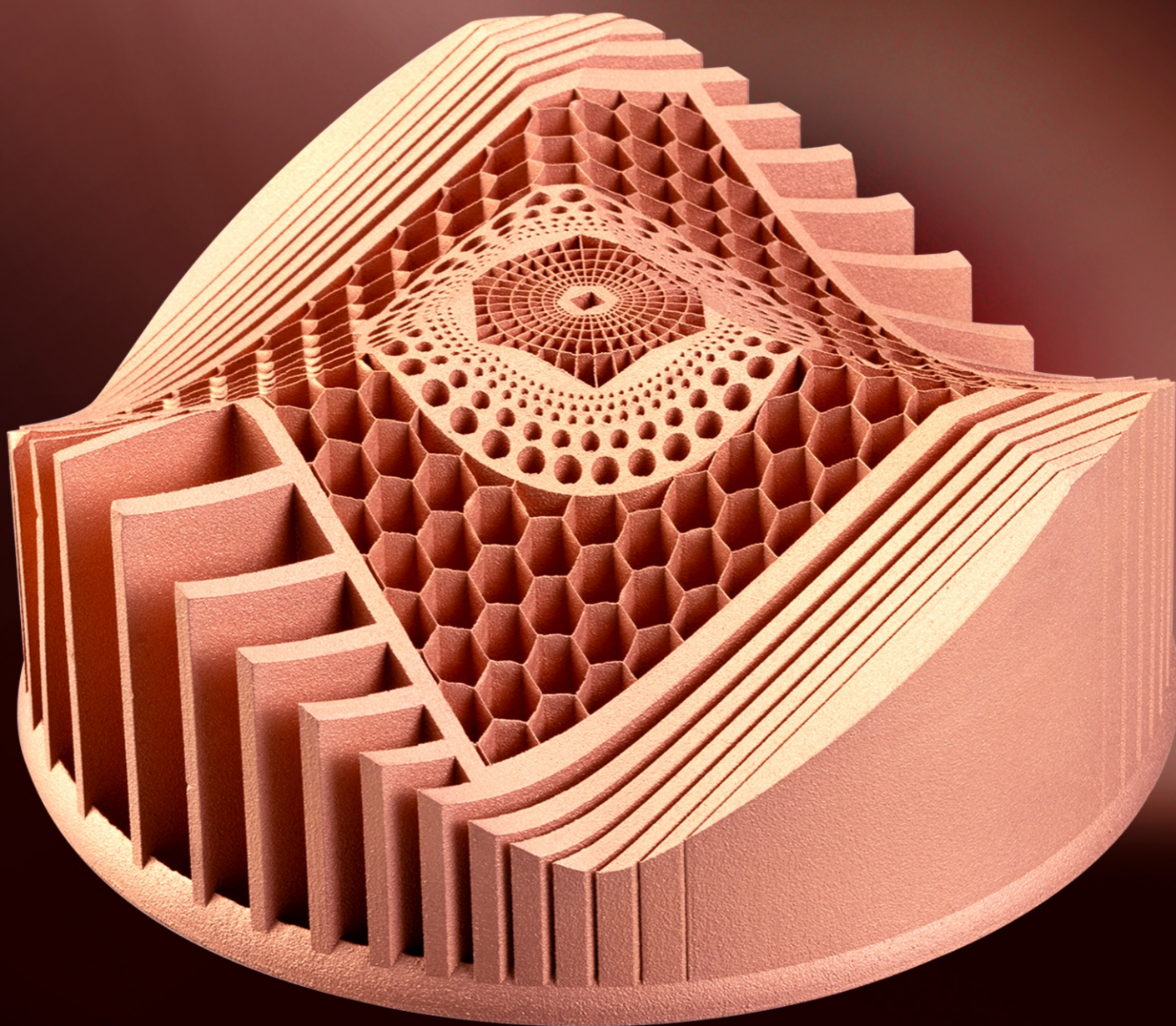


DATA SHEET

Pure Copper

**SHENZHEN ADDIREEN TECHNOLOGIES CO., LTD**

Highly Reflective Metals | Refractory Metals | Common Metals

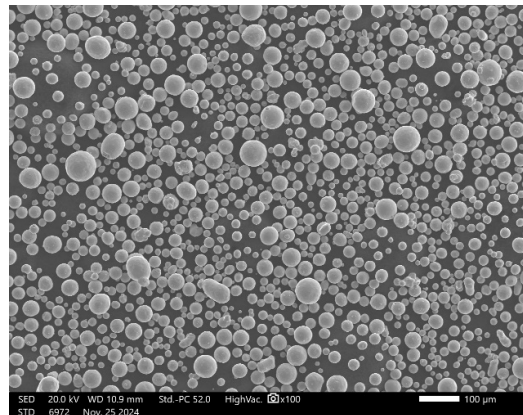
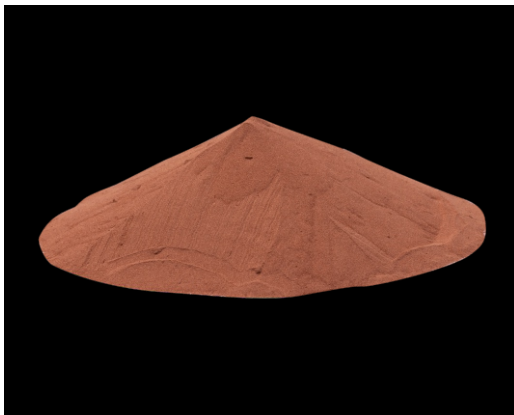
Pure Copper

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	Apparent Density	Oxygen Content
15-53μm	20s/50g	≥4.2g/cm ³	≤300ppm

CHEMICAL COMPOSITION IN WT%			
Item	Specification		
Essential Elements(wt%)	Cu	≥99.9	
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 _{0.2} (MPa)	Elongation to Failure A(%)
≥99.9	230-250	150-170	40-45

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

Typical Applications

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

