

DATA SHEET

CuSn10

**SHENZHEN ADDIREEN TECHNOLOGIES CO., LTD**

Highly Reflective Metals

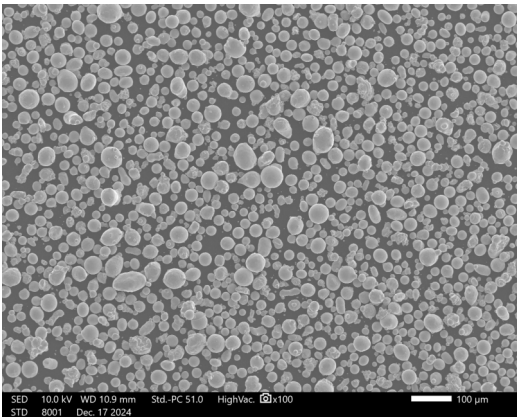
| Refractory Metals

| Common Metals

CuSn10

Overview

Gas atomized-- CuSn10 contains 10% tin. The material exhibits high strength and high elasticity with good electrical conductivity. Good corrosion resistance. Suitable for thick-layer printing



MATERIAL PARAMETERS			
Particle Size	Flowability	Bulk Density	Oxygen Content
15-53um	≤25	≥4.0	≤300ppm



CHEMICAL COMPOSITION IN WT%			
Item	Specification		
Essential Elements(wt%)	Cu	Balance	
	Sn	9.0-11.0	
Impurities(wt%)	O	≤0.06	
	Fe	≤0.1	
	Sb	≤0.05	
	Pb	≤0.25	
	Al	≤0.01	
	Ni	≤0.1	
	Si	≤0.02	
	Mn	≤0.05	
	P	≤0.2	
	S	≤0.05	
Laser Particle Size Distribution(%)	D10(μm)	15-25	
	D50(μm)	30-40	
	D90(μm)	45-60	
TYPICAL PART PROPERTIES			
Density (%)	Tensile Strength R _m (Mpa)	Yield Strength R _{pe2} (Mpa)	Elongation at Break A(%)
≥99.5%	≥520MPa	≥330MPa	≥28%

Typical Applications

Decorations | Jewelry | Marine applications

