



PRODUCT DATASHEET

We give every grain a purpose.

CuCr1Zr

-50+15 micr

Metal powder for additive manufacturing

PRODUCT DESCRIPTION

Gas atomized copper powder suitable for precipitation hardening with high strength and thermal conductivity.

KEY FEATURES

Safina produce high quality powders with perfect traceability and repeatability and have very good sphericity and flowability.

APPLICATIONS

Recommended for 3D printed parts for high-temperature applications like combustion chambers and nozzles.

TYPICAL PROPERTIES

PHYSICAL DATA:		
Apparent Density	4,3-4,5	g/cm ³
Flowability (50 g)	<16	s
Thermal conductivity	~ 90	% IACS

CHEMICAL COMPOSITION:		
Cu	Bal.	-
Cr	0,9	%
Zr	0,07	%
Total impurities	<150	ppm
Oxygen content	<200	ppm

PARTICLES SIZE DISTRIBUTION:		
+ 50 µm	max. 2	%
- 15 µm	max. 2	%
D10 %	24	µm
D50 %	37	µm
D90 %	50	µm

