

CuAg30

Metal Powder for Additive Manufacturing

PRODUCT DESCRIPTION

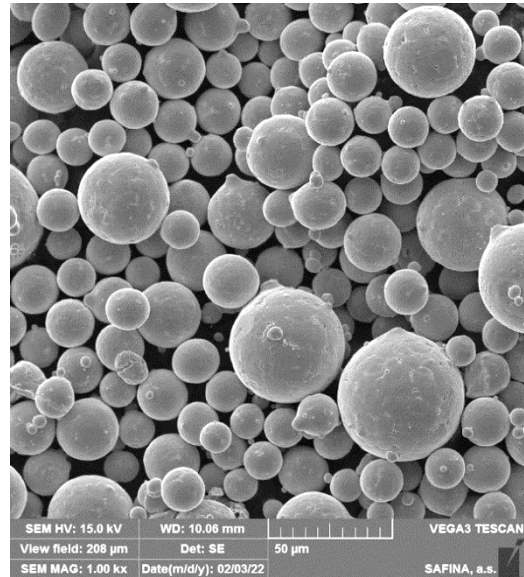
Gas atomized copper-silver alloy

KEY FEATURES

Safina produce high quality powders with perfect traceability and repeatability and have very good sphericity, excellent flowability. This alloy has exclusive combination of conductivity and strength.

APPLICATIONS

High performance copper-silver alloy for laser powder bed fusion (LPBF) systems for production parts with high thermal conductivity.



TYPICAL PROPERTIES

PHYSICAL DATA:			
PSD*	D10 [µm]	D50 [µm]	D90 [µm]
0-15 µm	8	12	18
15-45 µm	19	30	42
10-53 µm	11	34	50
20-63 µm	20	37	62
45-90 µm	55	66	91

CHEMICAL DATA:	
Cu	Bal. %
Ag	30 %
Impurities (exl. oxygen)	0,1
O**	0,015

OTHER DATA***	
Flowability [s/50g]	21
Apparent density [g/cm ³]	3,9

* Other PSD possible according to customer needs

** Oxygen content depends on PSD (mentioned value is for PSD 10-53 µm suitable for LPBF technology)

*** Displayed values are for PSD 10-53 µm suitable for LPBF technology