

CuAl10

Metal Powder for Additive Manufacturing

PRODUCT DESCRIPTION

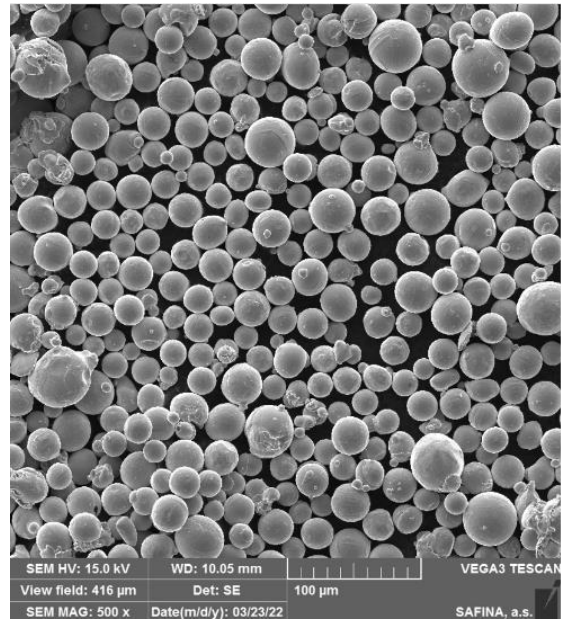
Aluminum Bronze powder atomized with inert gas

KEY FEATURES

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

APPLICATIONS

Aluminum bronze has excellent corrosion resistance in seawater and is often used for its anti-frictional properties in bearings and bushings.



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. %
Al	10 %
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