

## Copper 99,99 %

### Metal Powder for Additive Manufacturing

#### PRODUCT DESCRIPTION

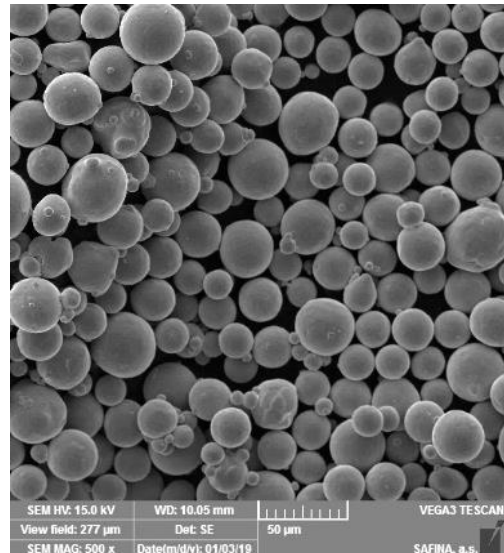
Gas atomized - High Conductivity Copper Powder.

#### KEY FEATURES

Safina produce high quality powders with perfect traceability and repeatability. Main feature has great flowability and low oxygen content to produce parts with high conductivity.

#### APPLICATIONS

Recommended for 3D printed parts where high thermal and electrical conduction is required. Suitable for LPBF, DED, BJ, EBM and Cold Spray



#### TYPICAL PROPERTIES

PHYSICAL DATA:			
PSD*	D10 [µm]	D50 [µm]	D90 [µm]
0-15 µm	6	12	18
15-45 µm	19	28	42
10-53 µm	15	32	50
20-63 µm	24	39	63
45-90 µm	54	66	88

CHEMICAL DATA:	
Cu	≤99,99
Impurities (exl. oxygen)	0,01
O**	0,02

OTHER DATA***	
Flowability [s/50g]	16 s
Apparent density [g/cm <sup>3</sup> ]	4,5

\* 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