

PRODUCT DATASHEET

We give every grain a purpose.

Ag 99,99%

Metal Powder for Additive Manufacturing

PRODUCT DESCRIPTION

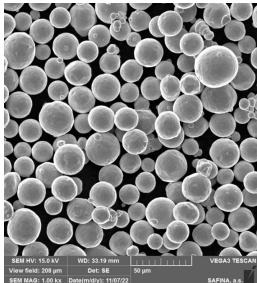
Gas atomized – High Purity Silver Powder.

KEY FEATURES

Safina produce high quality powders with perfect traceability and repeatability and have very good sphericity, excellent flowability, low oxygen content, satellites free, high electrical and thermal conductivity.

APPLICATIONS

High purity silver powder is recommended for application which required highest possible conductivity even at higher temperatures where copper can oxidize. Also is used for its antibacterial properties.



TYPICAL PROPERTIES

PHYSICAL DATA:			
PSD*	D10 [µm]	D50 [µm]	D90 [µm]
0-15 µm	8	12	18
15-45 μm	18	28	42
10-53 µm	12	34	51
20-63 µm	22	36	59
45-90 µm	55	67	90

CHEMICAL DATA:	
Ag	99 %
Impurities (exl. oxygen)	0,015
O**	0,015

OTHER DATA***	
Flowability [s/50g]	13
Apparent density [g/cm ³]	4,7

* Other PSD possible according to customer needs

** Oxygen content depends on PSD (mentioned value is for PSD 20-63 µm suitable for LPBF technology)

*** Displayed values are for PSD 20-63 µm suitable for LPBF technology

Id: 03214257, VAT Id.No. CZ03214257, SAFINA, a.s. is registered in the Commercial Register kept with the Municipal Court in Prague, section B, insert 20972

powders@safina.cz www.safina.cz Tel.: + 420 241 024 456 SP.32000.011.001 Page 1/1