

Technical Data Sheet

THICK FILM MATERIALS

Product Type: Precious Metal Powder

Product Name: Ag 300-01

Silver Powder

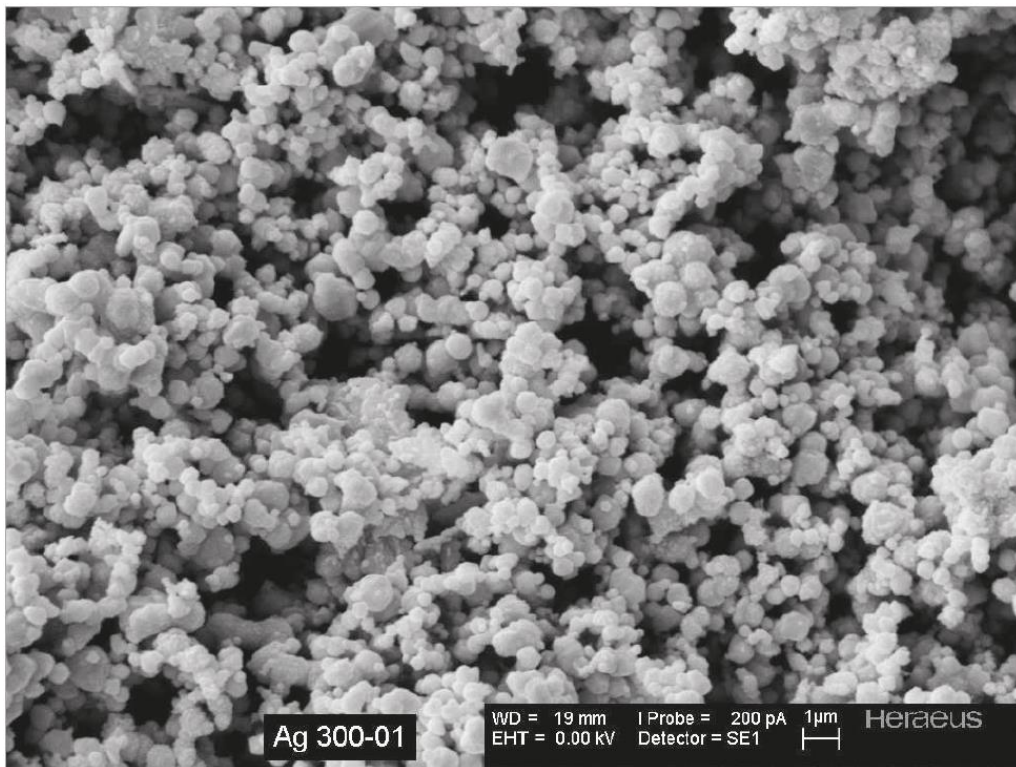
Description

Ag 300-01 is a chemically precipitated spherical silver powder with a high purity (> 99.9 %).

These powders exhibit a tight particle size distribution and excellent dispersion properties.

Typical Properties (Powder)^{4,5}

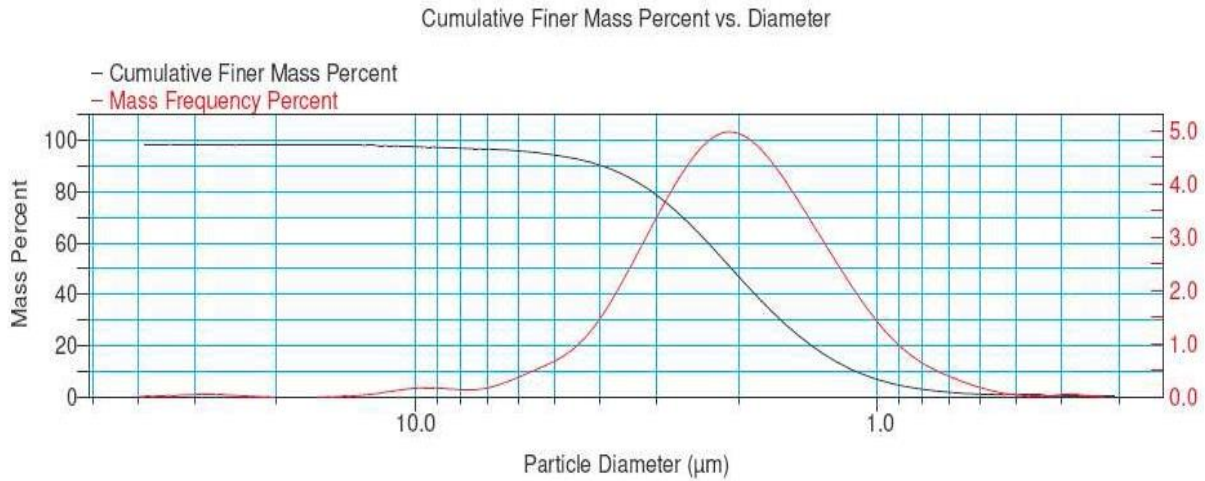
Surface Area ¹	0.5 – 2.0	[m ² /g]
Apparent Density ²	0.8 – 2.5	[g/cm ³]
TAP Density ³	1.2 – 3.5	[g/cm ³]
Reduction Loss ⁴	< 0.5	[%]
Particle Size Distribution ⁵		
D90	< 8.0	[μm]
D50	< 5.0	[μm]
D10	< 2.0	[μm]



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Typical Particle Size Distribution



Legend:

- 1) B.E.T. Gemini 2360
- 2) TAP-Pak Volumeter
- 3) TAP-Pak Volumeter
- 4) 0.1 hour in H₂
- 5) Sedigraph 5100

* See the data sheet issue date (DD/MM/YY) as reference of validity of latest edition which is available on request

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