

Technical Data Sheet

THICK FILM MATERIALS

Product Type: Powders

Product Name: Ag 300-02

Silver Powder

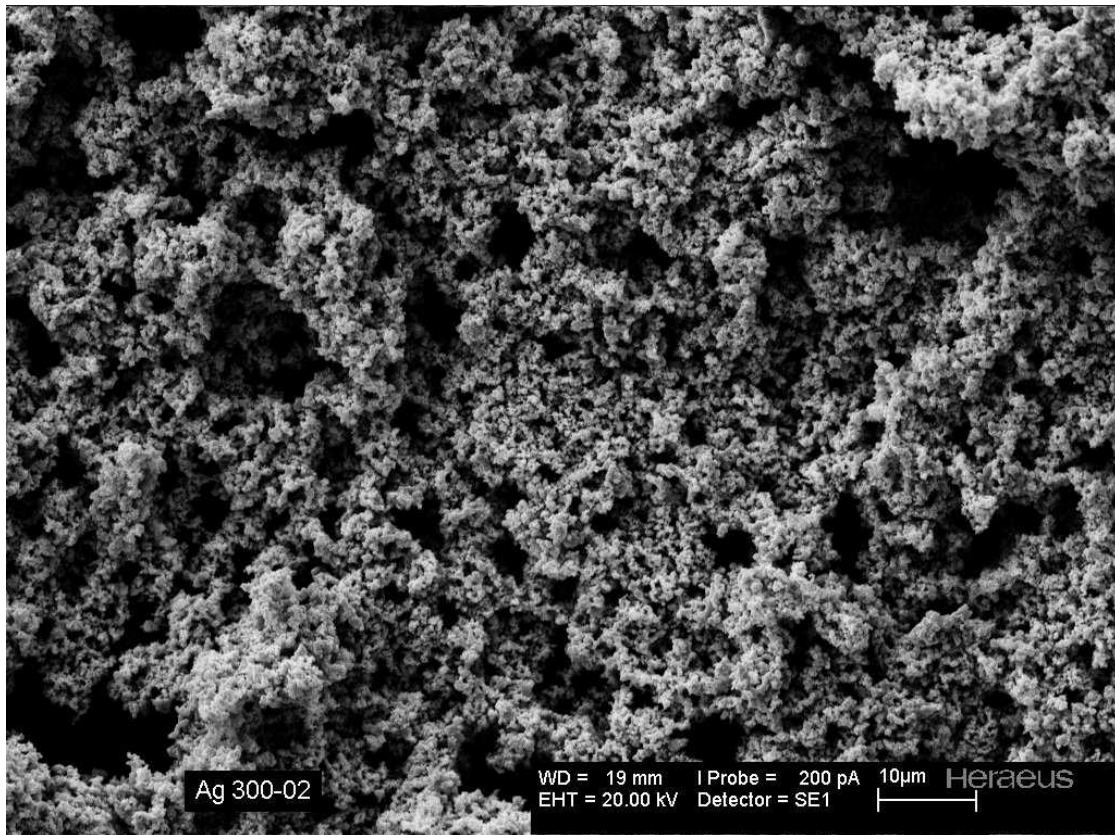
Description

Ag 300-02 is a chemically precipitated spherical silver powder with a high purity (> 99.9 %).

These powders exhibit a wider particle size distribution and a high surface area.

Typical Properties

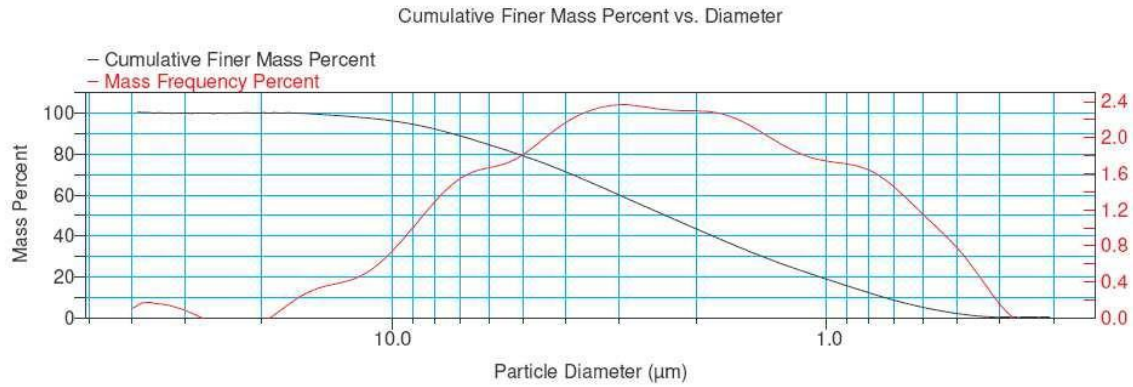
Surface Area ¹	1.5 – 3.5	[m ² /g]
Apparent Density ²	0.8 – 1.8	[g/cm ³]
TAP Density ³	1.2 – 2.5	[g/cm ³]
Reduction Loss ⁴	< 0.8	[%]
Particle Size Distribution ⁵		
D90	< 10.0	[µm]
D50	< 4.0	[µm]
D10	< 2.0	[µm]



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Silver Powder

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

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