

## Technical Data Sheet

### THICK FILM MATERIALS

**Product Type:** Precious Metal Powder

**Product Name:** Ag 300-02

#### Silver Powder

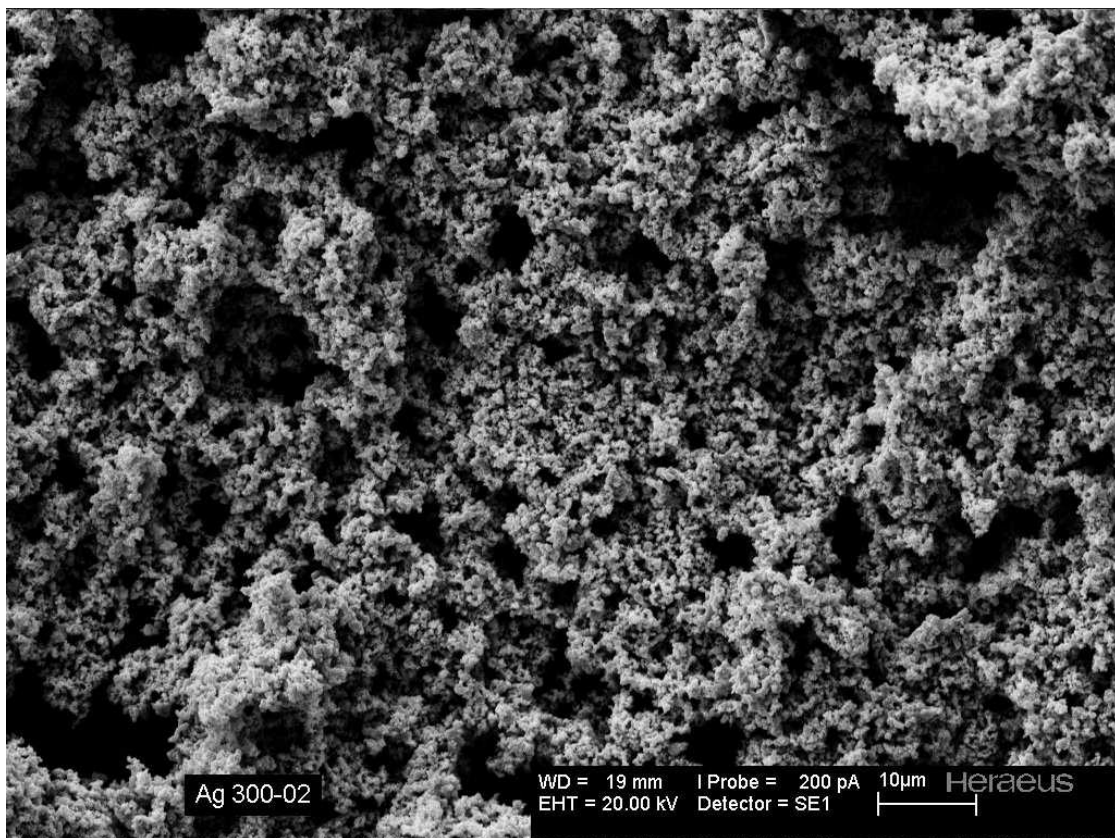
##### Description

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

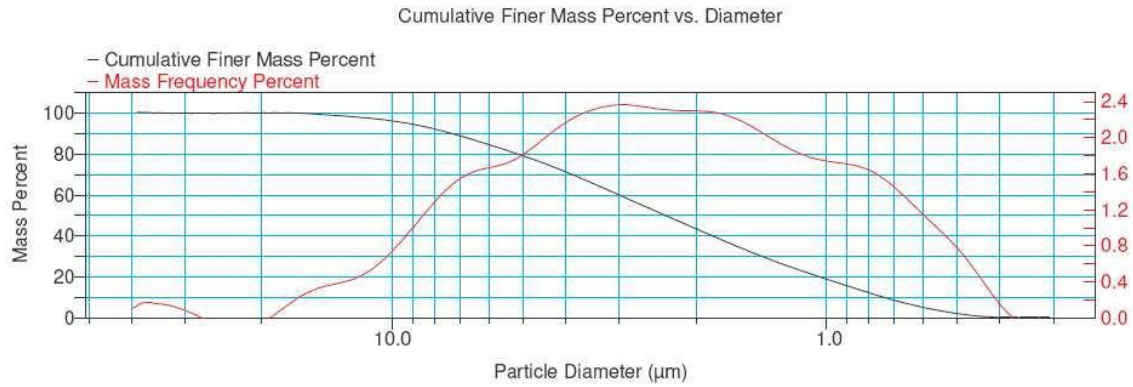
Surface Area <sup>1</sup>	1.5 – 3.5	[m <sup>2</sup> /g]
Apparent Density <sup>2</sup>	0.8 – 1.8	[g/cm <sup>3</sup> ]
TAP Density <sup>3</sup>	1.2 – 2.5	[g/cm <sup>3</sup> ]
Reduction Loss <sup>4</sup>	< 0.8	[%]
Particle Size Distribution <sup>5</sup>		
D90	< 10.0	[µm]
D50	< 4.0	[µm]
D10	< 2.0	[µm]



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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 H<sub>2</sub>
- 5) Sedigraph 5100

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