

Technical Data Sheet

THICK FILM MATERIALS

Product Type: Powders

Product Name: Ag 300-01

Silver Powder

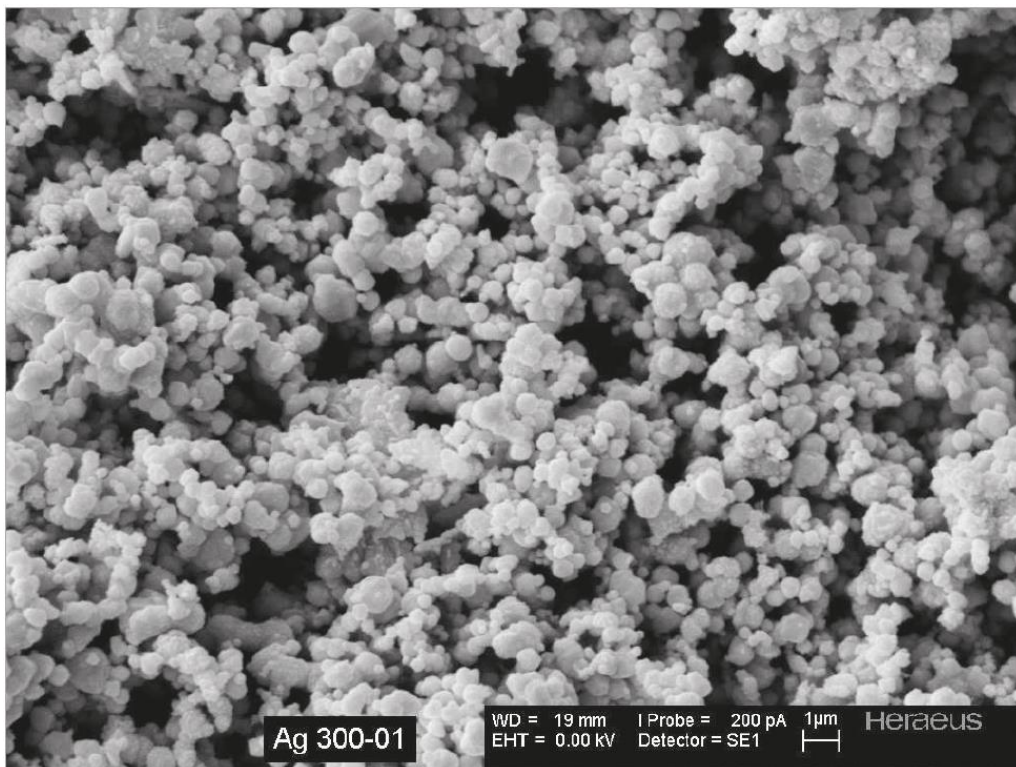
Description

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}

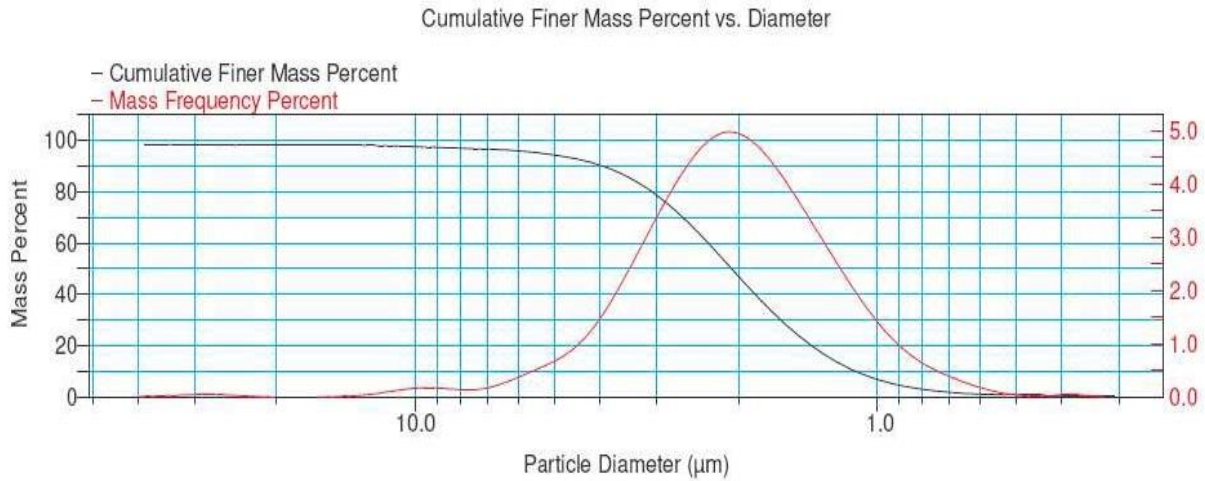
| | | |
|---|-----------|----------------------|
| Surface Area ¹ | 0.5 – 2.0 | [m ² /g] |
| Apparent Density ² | 0.8 – 2.5 | [g/cm ³] |
| TAP Density ³ | 1.2 – 3.5 | [g/cm ³] |
| Reduction Loss ⁴ | < 0.5 | [%] |
| Particle Size Distribution ⁵ | | |
| D90 | < 8.0 | [μm] |
| D50 | < 5.0 | [μm] |
| D10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