

Technical Data Sheet

THICK FILM MATERIALS

Product Type: Powders

Product Name: Ag 300-01

Silver Powder

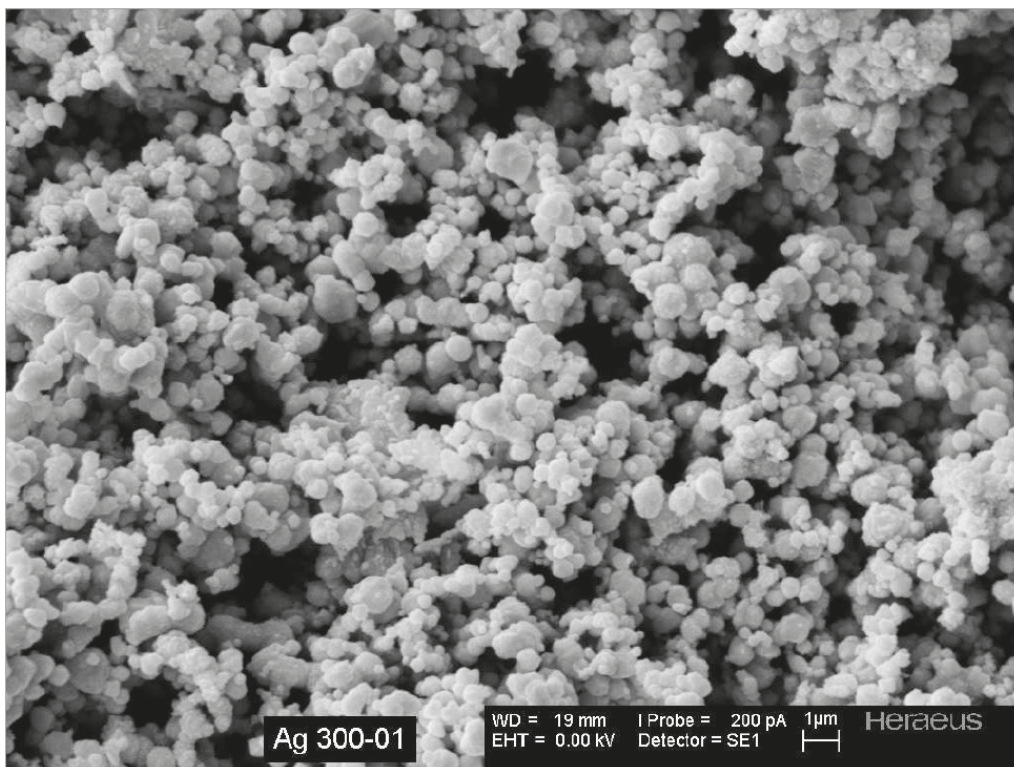
Description

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]

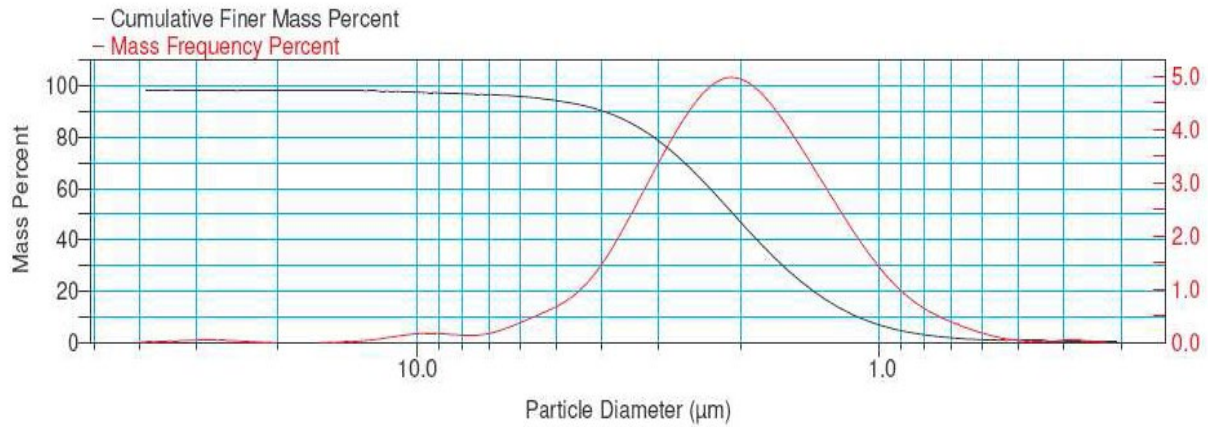


Technical Data Sheet

Silver Powder

Typical Particle Size Distribution

Cumulative Finer Mass Percent vs. Diameter



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

Heraeus Electronics
 Heraeus Deutschland GmbH & Co. KG
 Heraeusstraße 12 – 14
 63450 Hanau, Germany
 www.heraeus-electronics.com

Americas
 Phone +1 610 825 6050
 electronics.americas@heraeus.com

China
 Phone +86 53 5815 9601
 electronics.china@heraeus.com

Asia Pacific
 Phone +65 6571 7649
 electronics.apac@heraeus.com

Europe, Middle East and Africa
 Phone +49 6181 35 4370
 electronics.emea@heraeus.com