

Technical Data Sheet

THICK FILM MATERIALS

Product Type: Powders

Product Name: Pt 100-10

Platinum Powder

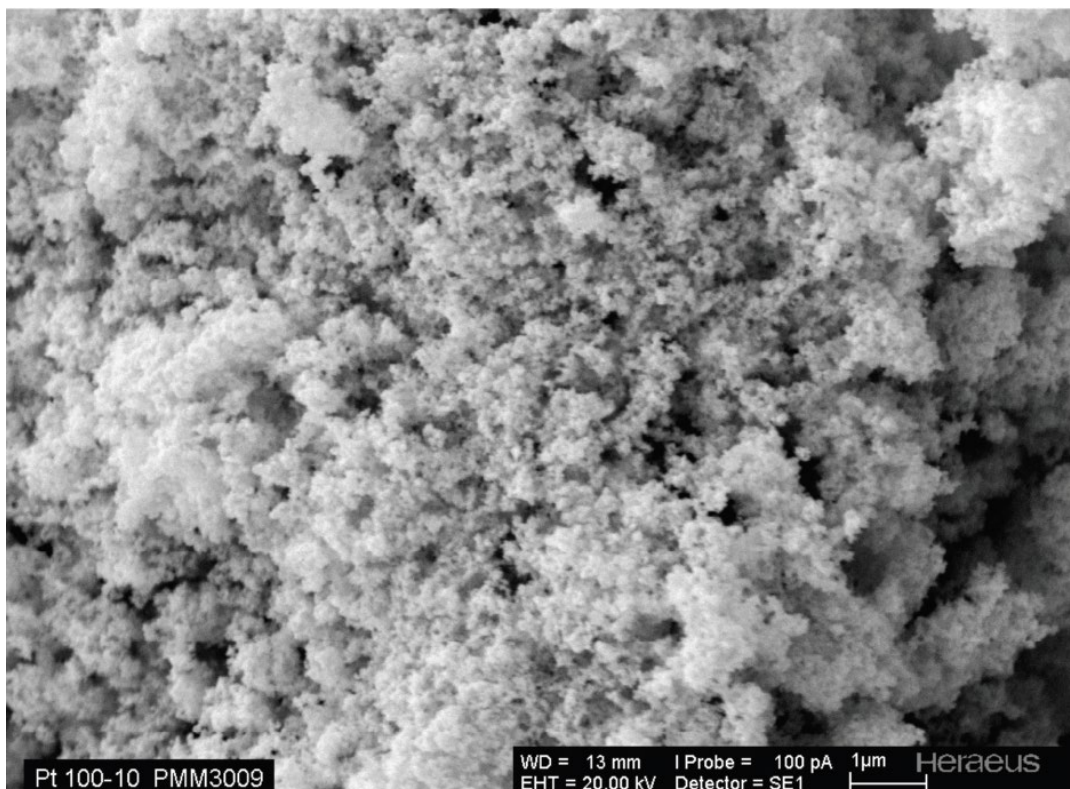
Description

Pt 100-10 is a chemically precipitated platinum powder with a high purity (> 99.9 %).

These powders exhibit excellent dispersion properties and a high surface area.

Typical Properties

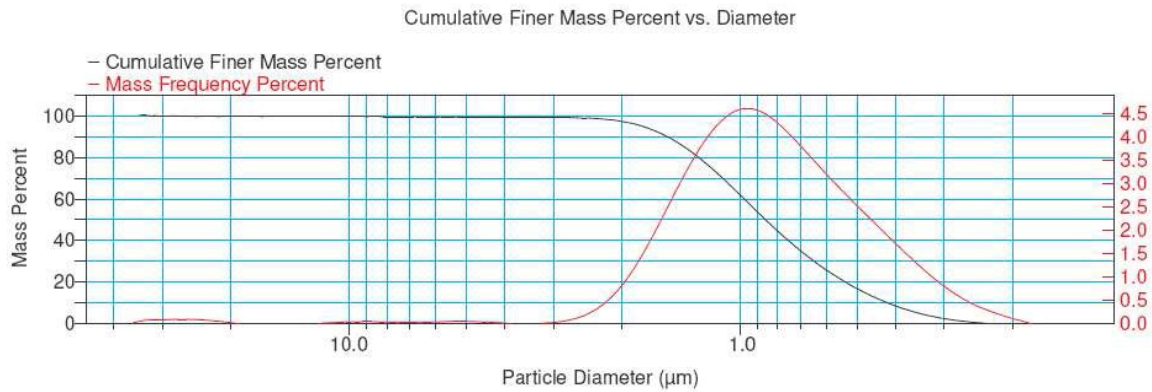
Surface Area ¹	10.0 – 18.0	[m ² /g]
Apparent Density ²	0.4 – 1.0	[g/cm ³]
TAP Density ³	0.6 – 1.8	[g/cm ³]
Reduction Loss ⁴	< 1.6	[%]
Particle Size Distribution ⁵		
D90	< 3.1	[μm]
D50	< 1.6	[μm]
D10	< 0.76	[μm]



Technical Data Sheet

Platinum 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

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