

Technical Data Sheet

THICK FILM MATERIALS

Product Type: Powders

Product Name: Pt 100-10

Platinum Powder

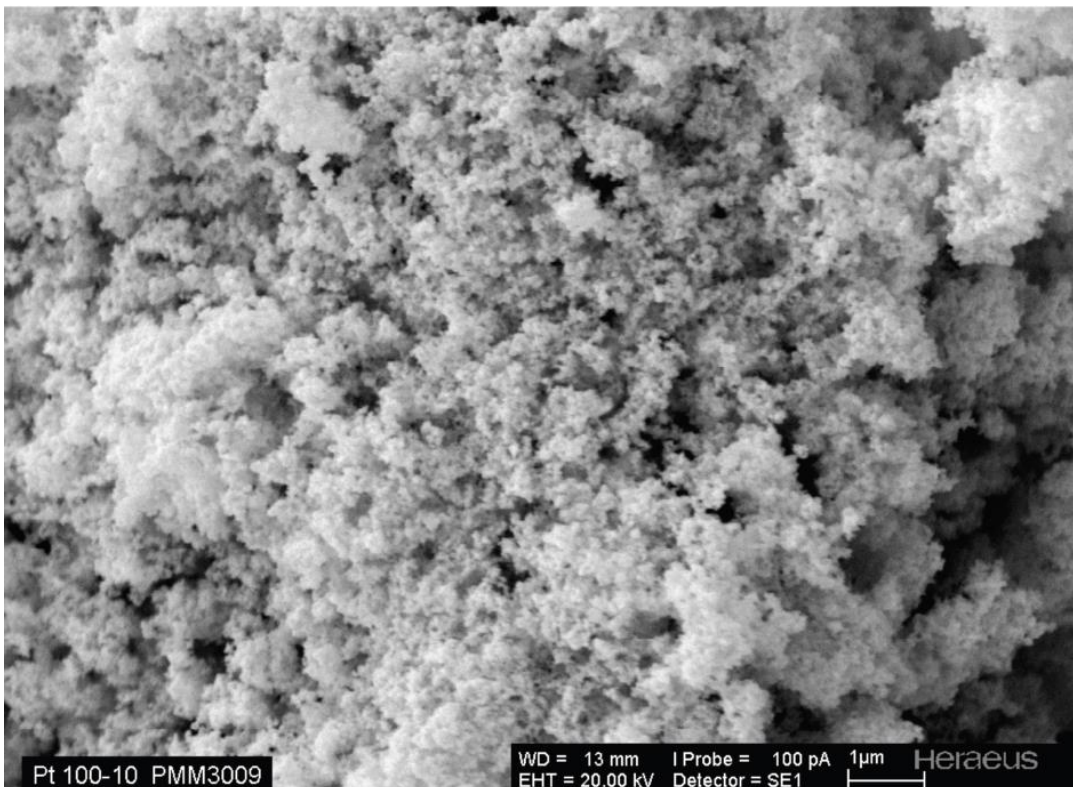
Description

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

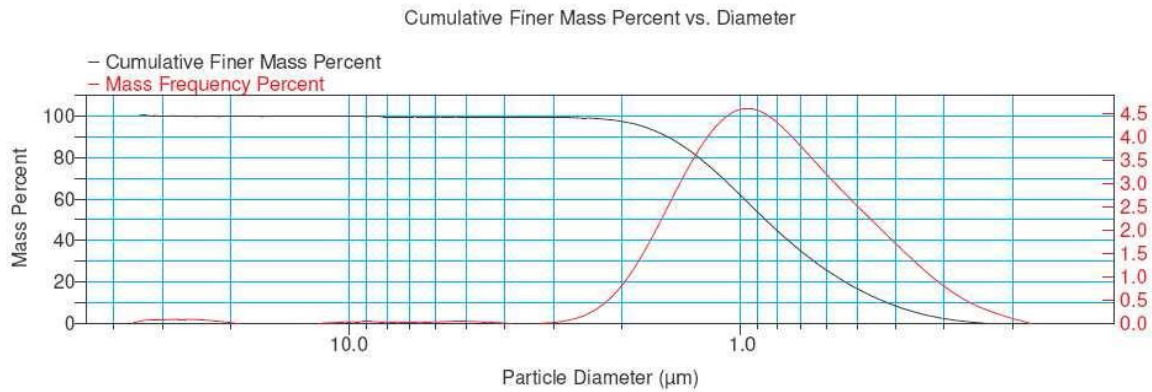
Surface Area ¹	10.0 – 18.0	[m ² /g]
Apparent Density ²	0.4 – 1.0	[g/cm ³]
TAP Density ³	0.6 – 1.8	[g/cm ³]
Reduction Loss ⁴	< 1.6	[%]
Particle Size Distribution ⁵		
D90	< 3.1	[μm]
D50	< 1.6	[μm]
D10	< 0.76	[μm]



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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

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