

## Technical Data Sheet

### THICK FILM MATERIALS

**Product Type:** Precious Metal Powder

**Product Name:** Pt 100-10

#### Platinum Powder

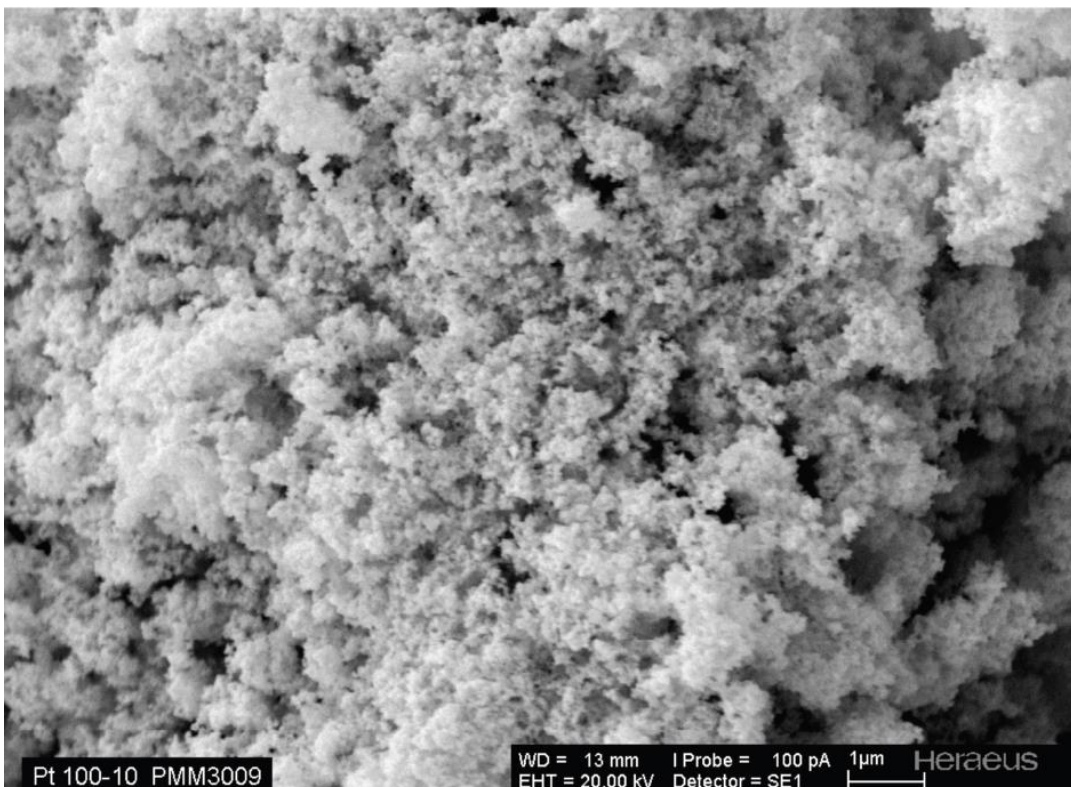
##### Description

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

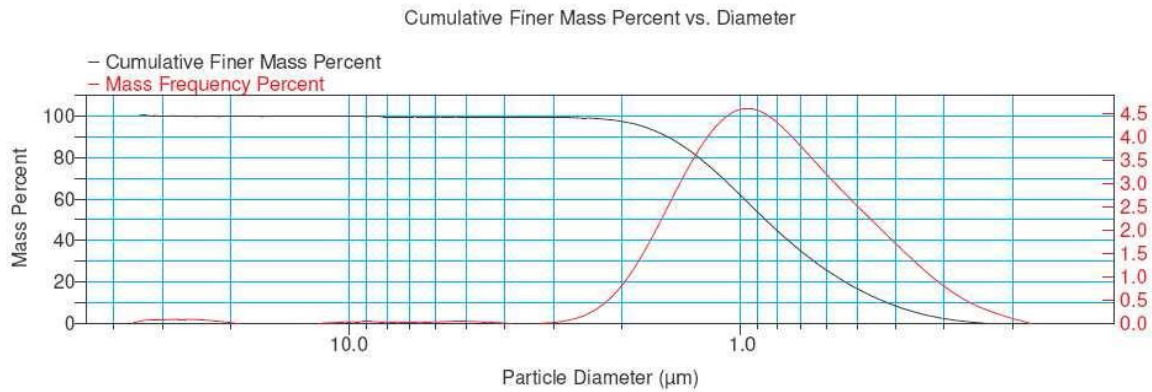
Surface Area <sup>1</sup>	10.0 – 18.0	[m <sup>2</sup> /g]
Apparent Density <sup>2</sup>	0.4 – 1.0	[g/cm <sup>3</sup> ]
TAP Density <sup>3</sup>	0.6 – 1.8	[g/cm <sup>3</sup> ]
Reduction Loss <sup>4</sup>	< 1.6	[%]
Particle Size Distribution <sup>5</sup>		
D90	< 3.1	[µm]
D50	< 1.6	[µm]
D10	< 0.76	[µm]



## 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 H<sub>2</sub>
- 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 21 3357 5457  
electronics.china@heraeus.com

**Asia Pacific**  
Phone +65 6571 7677  
electronics.apac@heraeus.com

**Europe, Middle East and Africa**  
Phone +49 6181 35 3069, +49 6181 35 3627  
electronics.emea@heraeus.com