Technical Data Sheet

Silver Powder

Description

Ag 300-02 is a chemically precipitated spherical silver powder with a high purity (> 99.9 %). These powders exhibit a wider particle size distribution and a high surface area.

Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Area</td>
<td>1.5 – 3.5 [m(^2)/g]</td>
</tr>
<tr>
<td>Apparent Density</td>
<td>0.8 – 1.8 [g/cm(^3)]</td>
</tr>
<tr>
<td>TAP Density</td>
<td>1.2 – 2.5 [g/cm(^3)]</td>
</tr>
<tr>
<td>Reduction Loss</td>
<td>&lt; 0.8 [%]</td>
</tr>
<tr>
<td>Particle Size Distribution</td>
<td></td>
</tr>
<tr>
<td>D90</td>
<td>&lt; 10.0 [µm]</td>
</tr>
<tr>
<td>D50</td>
<td>&lt; 4.0 [µm]</td>
</tr>
<tr>
<td>D10</td>
<td>&lt; 2.0 [µm]</td>
</tr>
</tbody>
</table>

THICK FILM MATERIALS

Product Type: Powders

Product Name: Ag 300-02
**Technical Data Sheet**

**Silver Powder**

**Typical Particle Size Distribution**

![Graph showing 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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