

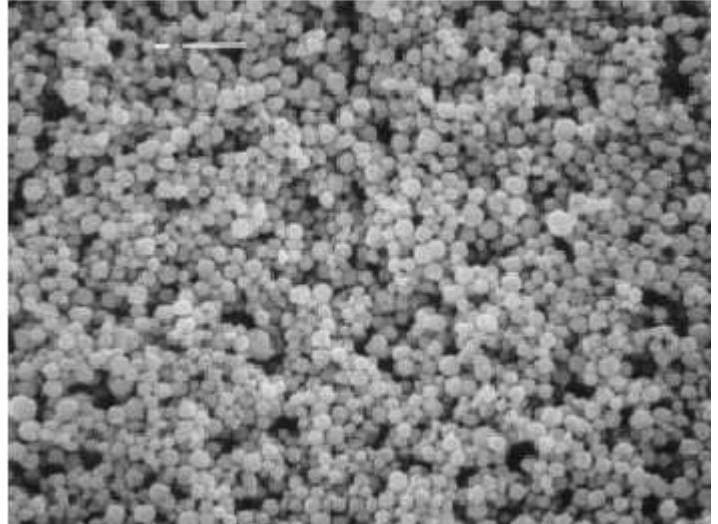


Pd Powder Pd 202S

Cermet produces a monodispersed chemically precipitated spherical Pd powder with SEM particle diameter less than 0.4 μm . This product complements Cermet's established Pd 200 series powders Targeted for ultra thin and smooth MLCC internal electrode applications, this powder is available in production lot sizes in excess of 30 kgs.

These powders are also available with a variety of organic and inorganic coatings to modify oxidation, shrinkage, and wetting characteristics.

We welcome the opportunity to develop new products for your unique requirements.



10kx SEM of Pd 202S

TYPICAL POWDER CHARACTERISTICS

| Characteristics | Parameter | Procedure |
|--|-----------|---------------------------|
| Surface Area (m^2/g) | 1.5 – 3.0 | BET Method, Flowsorb 2300 |
| Tap Density (g/cm^3) | 2.0 – 5.0 | Tap-Pak Volumeter |
| PSD D90 (μm) | 0.5 - 2.5 | Horiba CAPA |
| PSD D50 (μm) | 0.3 – 1.3 | Horiba CAPA |
| PSD D10 (μm) | 0.1 – 1.0 | Horiba CAPA |

The descriptions and engineering data shown here have been compiled by Cermet using commonly-accepted procedures, in conjunction with modern testing equipment, and have been compiled as according to the latest factual knowledge in our possession. The information was up-to date on the date this document was printed (latest versions can always be supplied upon request). Although the data is considered accurate, we cannot guarantee accuracy, the results obtained from its use, or any patent infringement resulting from its use (unless this is contractually and explicitly agreed in writing, in advance). The data is supplied on the condition that the user shall conduct tests to determine materials suitability for a particular application. R06.03

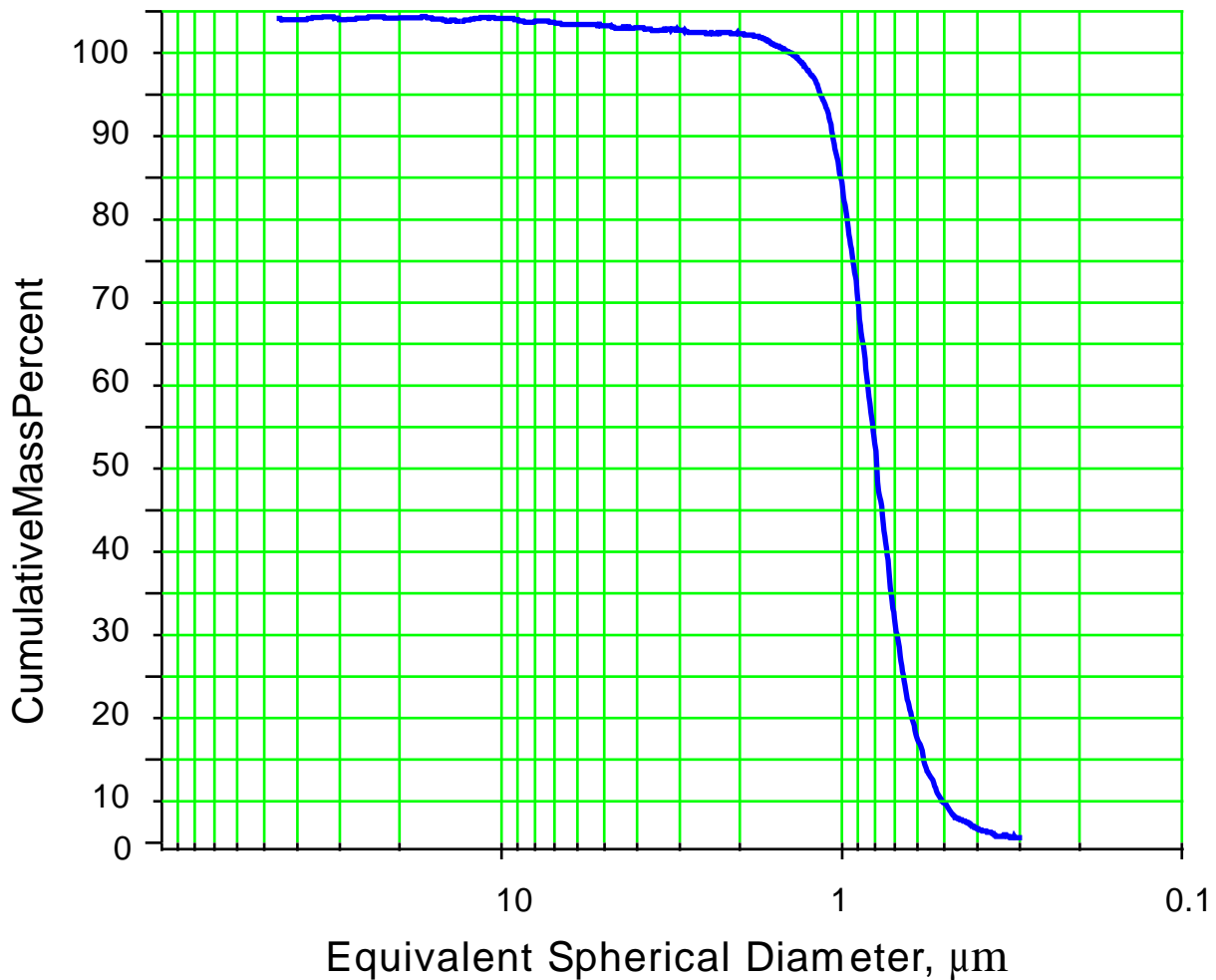
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Pd Powder Pd 202S

Typical Pd 202S Particle Size Distribution Characteristics



Micromeritics Sedigraph 5100, A12 Sedisperse Media

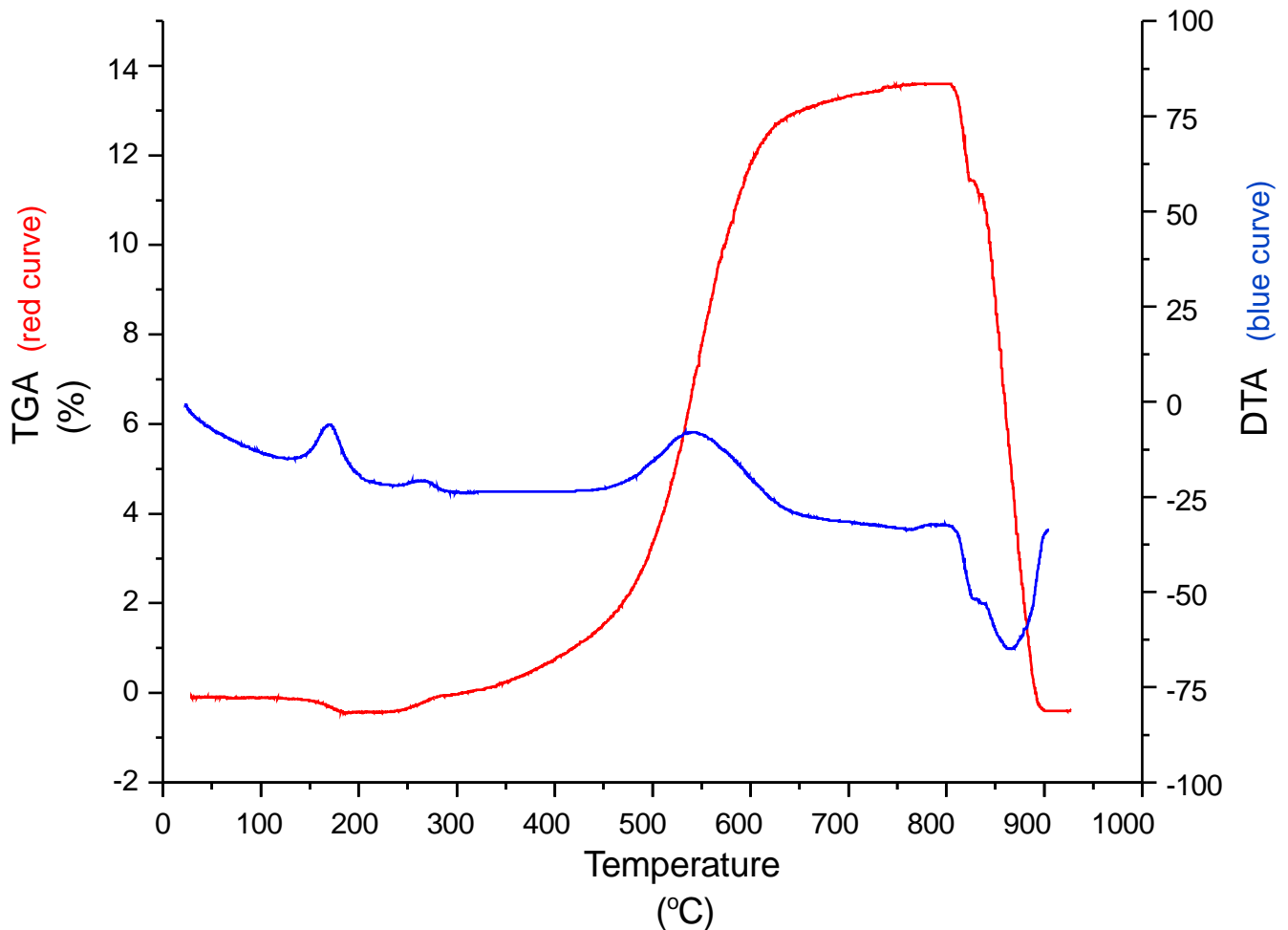
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Pd Powder Pd 202S

Pd 202S Typical Thermal Characteristics



Netzsch STA 449
Scan Rate: $10^{\circ}\text{C min}^{-1}$ in air

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