

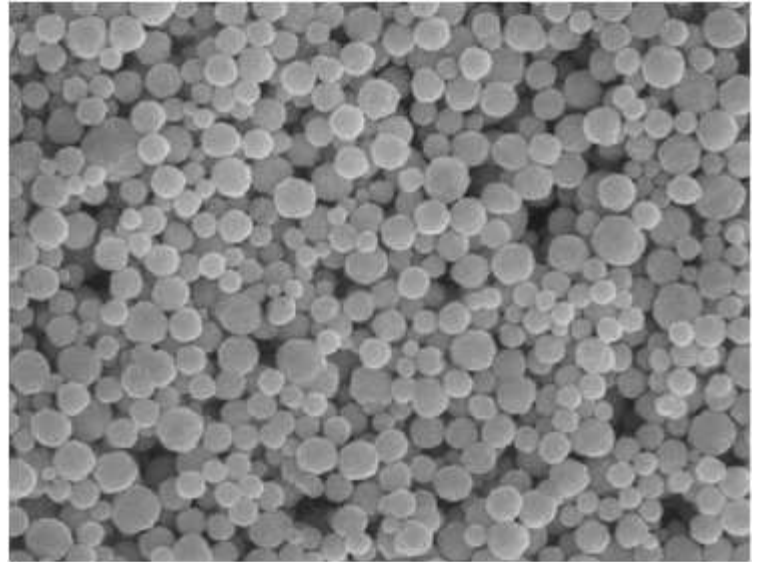


80%Ag / 20%Pd Powder AgPd 7005 Series

Cermet's 80%Ag / 20%Pd AgPd 7005 powder is a highly alloyed, monosized spherical powder, finding wide spread use as an inner electrode in the production of multilayer ceramic capacitors. This powder demonstrates good dispersion characteristics and is ideal in applications where smooth and thin conductive metallizations are required with low metal laydowns.

Cermet 80%Ag/ 20%Pd metal powders are also available with a variety of organic and inorganic coatings to affect shrinkage, oxidation, and wetting characteristics.

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



10 kx SEM of 80%Ag / 20%Pd AgPd 7005

TYPICAL POWDER CHARACTERISTICS

Characteristics	Parameter	Procedure
Surface Area (m ² /g)	1.0 – 2.4	BET Method, Flowsorb 23
Tap Density (g/cm ³)	2.5 – 5.0	Tap-Pak Volumeter
PSD D90 (µm)	0.6 - 2.3	Horiba CAPA
PSD D50 (µm)	0.4 – 1.5	Horiba CAPA
PSD D10 (µm)	0.2 – 0.9	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

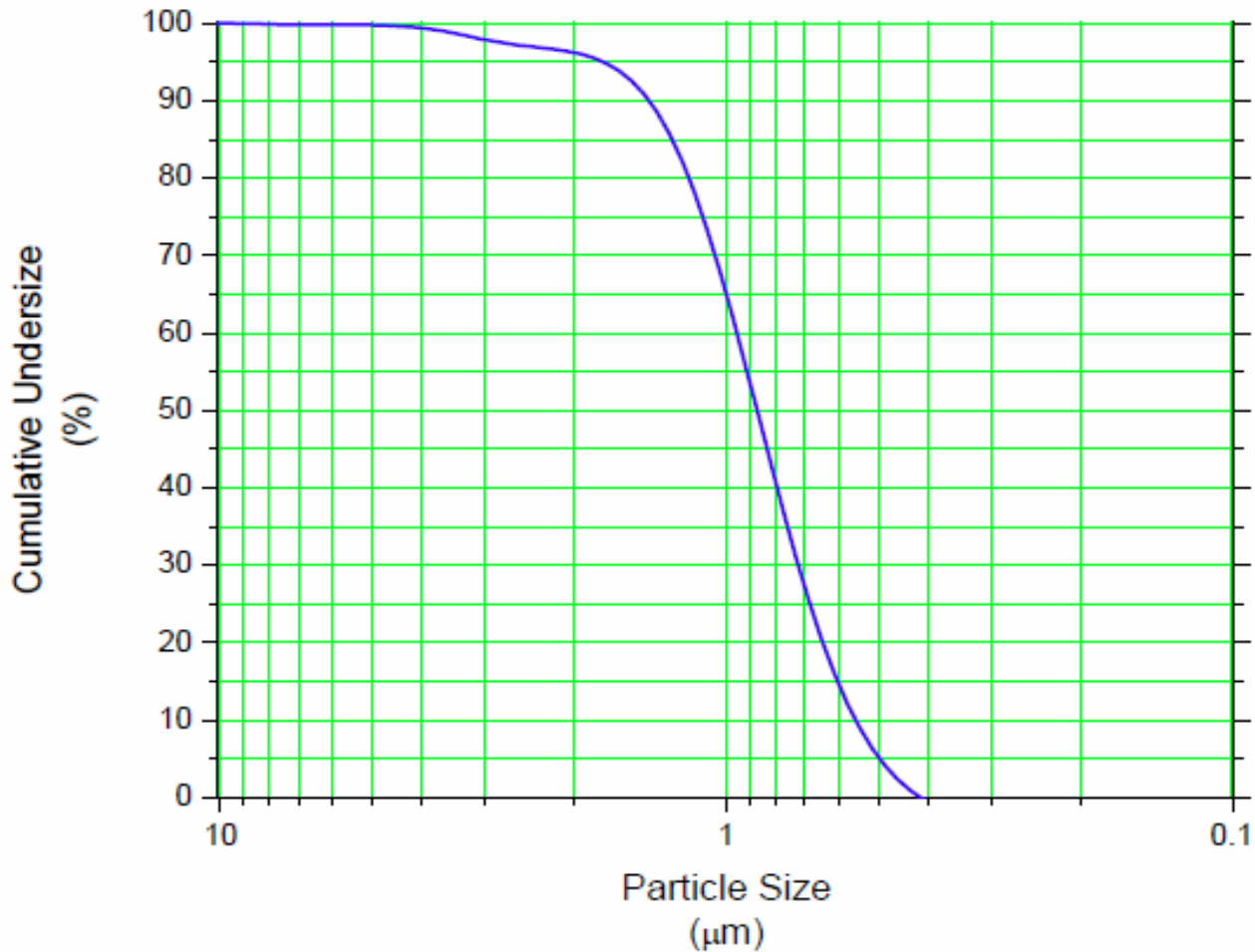
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Typical AgPd 7005 Particle Size Distribution Characteristics



Micromeritics Sedigraph 5100, A12 Sedisperse Media

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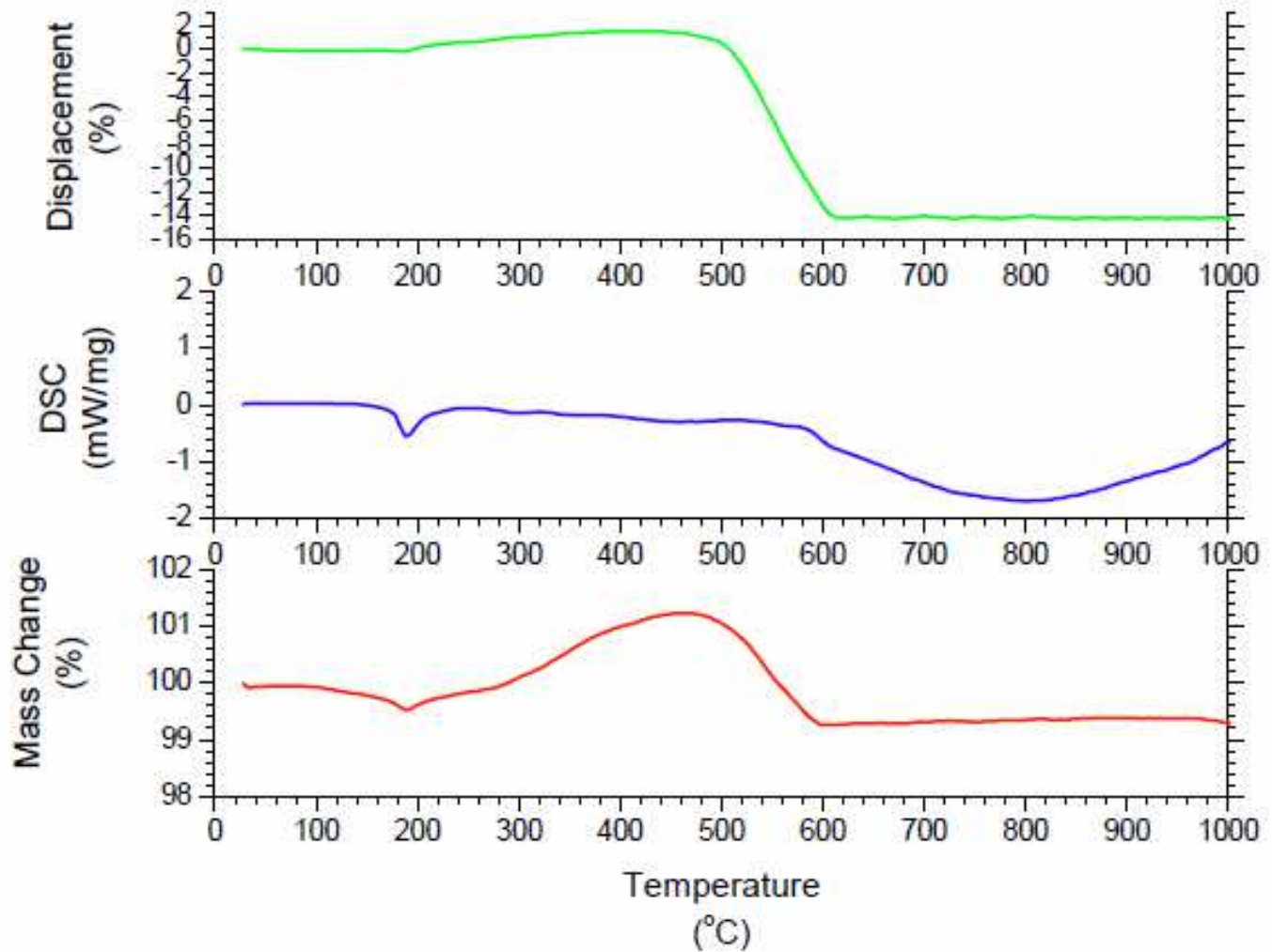
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CERMET

80%Ag / 20%Pd Powder AgPd 7005 Series

AgPd 7005 Typical Thermal Characteristics



Netzsch STA 449, DIL 402C
Scan Rate: 10°C min⁻¹ in air

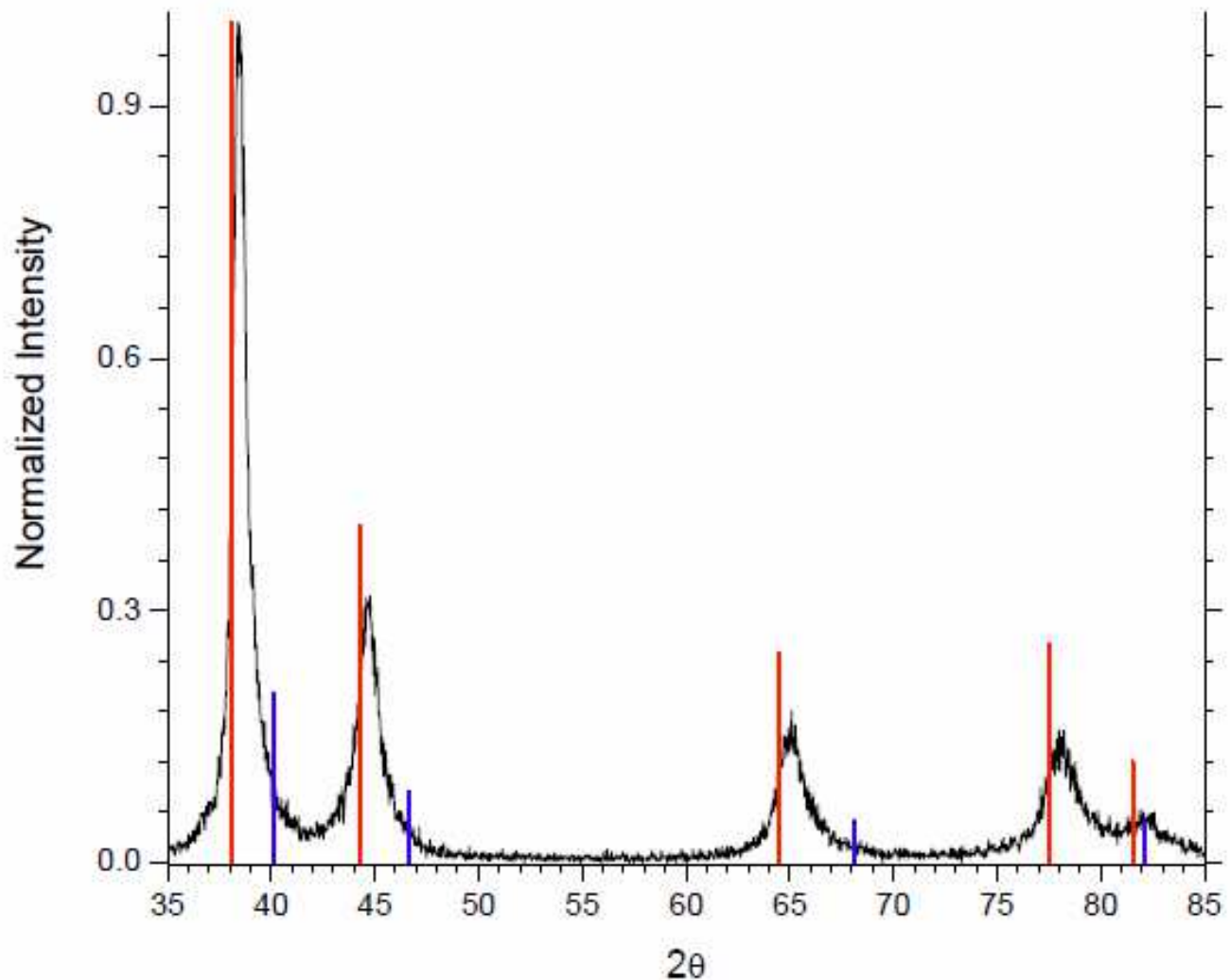
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X-Ray Diffraction Pattern of 80% Ag / 20% Pd 7005 Powder



Siemens D500 Diffraktometer
1200 WATTS, Step Size 0.03, Dwell 1.0 s

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