

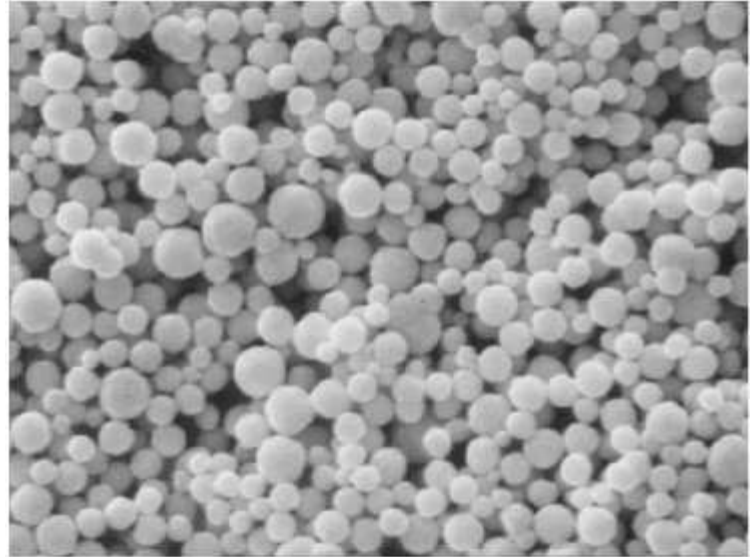


75%Ag / 25%Pd Powder AgPd 7101 Series

Cermet's 75%Ag / 25%Pd AgPd 7101 powder is a highly alloyed, monosized spherical powder, finding wide spread use as an inner electrode in the production of multilayer ceramic capacitors and as a thick film conductor. This powder demonstrates good dispersion characteristics and is ideal in applications where smooth and thin conductive metallizations are required with low metal laydowns.

Cermet 75%Ag / 25%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.



10kx SEM of 75%Ag / 25%Pd AgPd 7101

Characteristics	Parameter	Procedure
Surface Area (m ² /g)	1.3 – 2.0	BET Method
Tap Density (g/cm ³)	2.7– 4.5	Tap-Pak Volumeter
PSD D90 (µm)	0.6-2.0	Horiba CAPA
PSD D50 (µm)	0.4-1.2	Horiba CAPA
PSD D10 (µm)	0.2-0.8	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

U.S. Head Office
Cermet Materials Incorporated
6 Mecco Drive
Wilmington, DE 19804, U.S.A.
TEL: (302) 999-1447
Fax: (302) 999-7211
Email: pansy@cermetmaterials.com

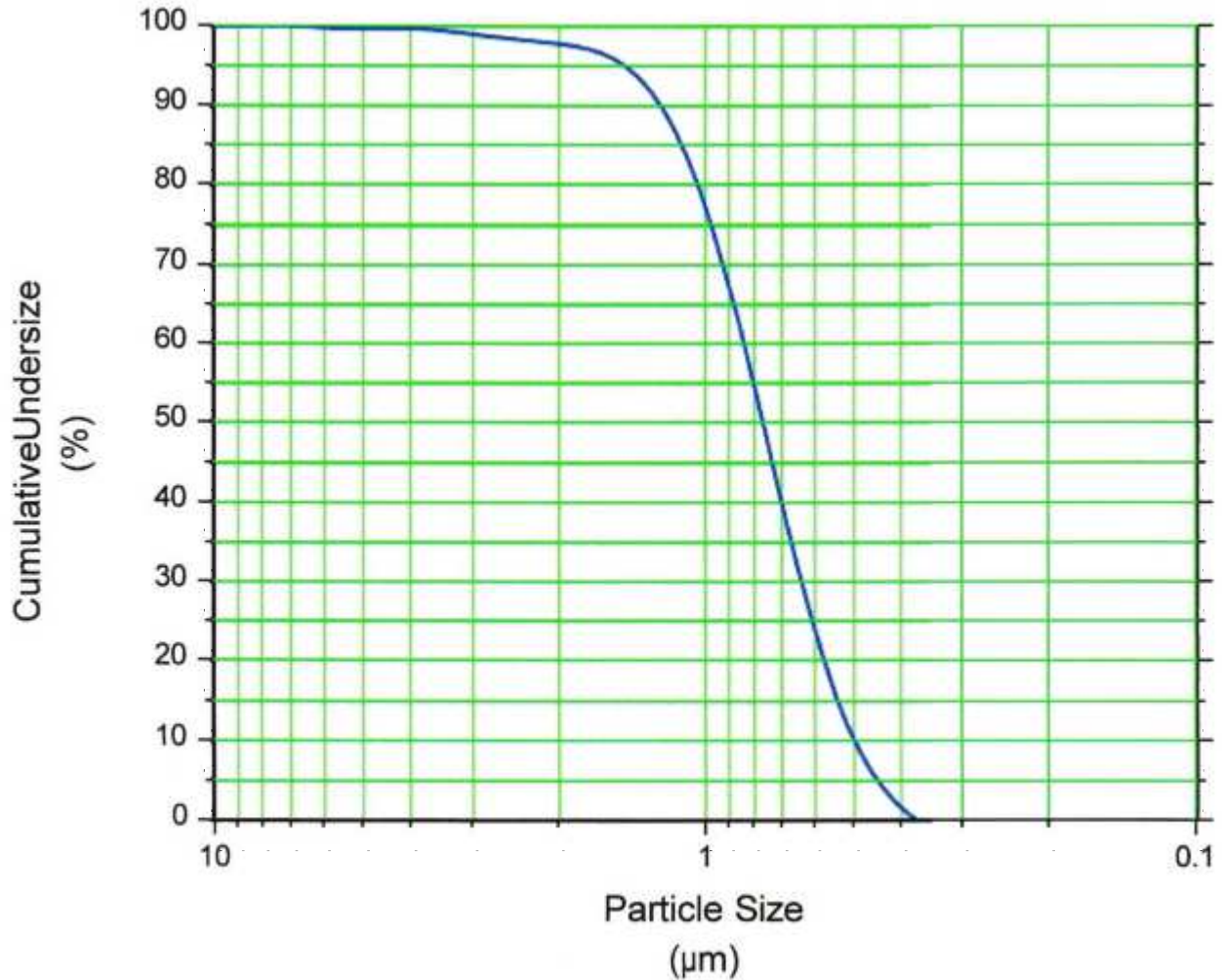
Far East Office
Cermet Materials (Far East) CO., LTD
Room 1003, 10th Floor Workingberg Commercial Bldg.
41-47 Marble Road, North Point, Hong Kong
TEL: (852) 2811-5889
Fax: (852) 2960-0507
Email: albertong@cermet.com.hk



CERMET

75%Ag / 25%Pd Powder AgPd 7101 Series

Typical AgPd 7101 Particle Size Distribution Characteristics



Micromeritics Sedigraph 5100, A12 Sedisperse Media

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

U.S. Head Office
Cermet Materials Incorporated
6 Mecco Drive
Wilmington, DE 19804, U.S.A.
TEL: (302) 999-1447
Fax: (302) 999-7211
Email: pansy@cermetmaterials.com

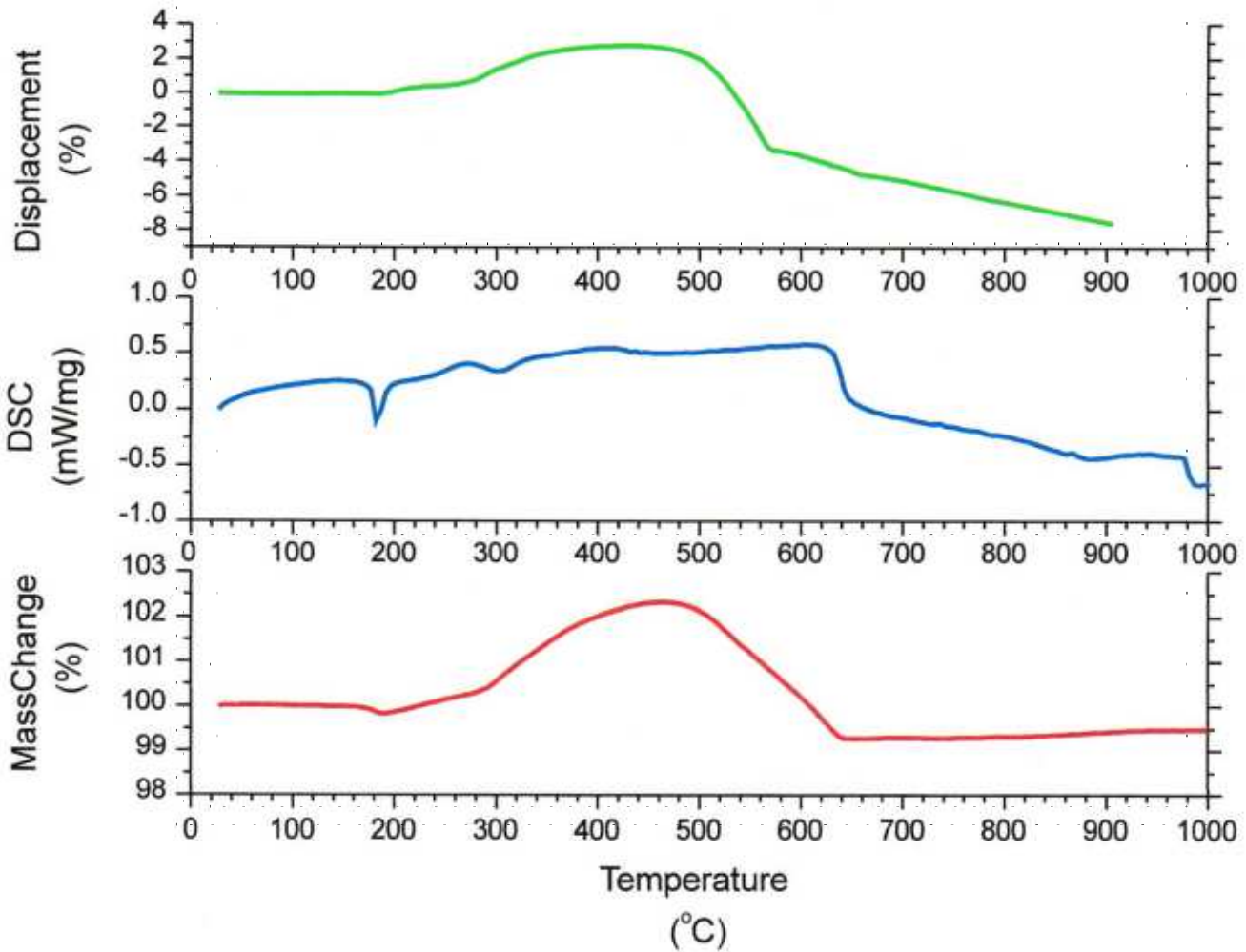
Far East Office
Cermet Materials (Far East) CO., LTD
Room 1003, 10th Floor Workingberg Commercial Bldg.
41-47 Marble Road, North Point, Hong Kong
TEL: (852) 2811-5889
Fax: (852) 2960-0507
Email: albertong@cermet.com.hk



CERMET

75%Ag / 25%Pd Powder AgPd 7101 Series

AgPd 7101 Typical Thermal Characteristics



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

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

U.S. Head Office
Cermet Materials Incorporated
6 Mecco Drive
Wilmington, DE 19804, U.S.A.
TEL: (302) 999-1447
Fax: (302) 999-7211
Email: pansy@cermetmaterials.com

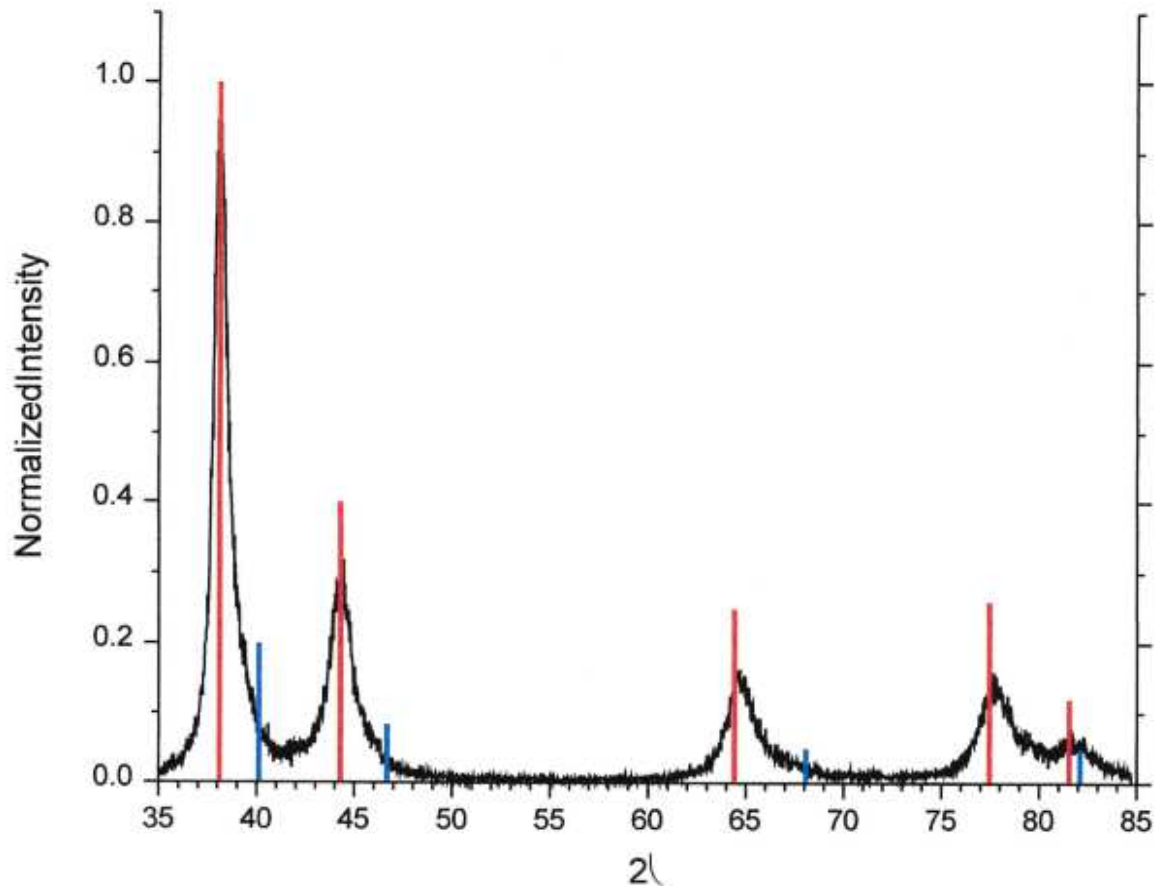
Far East Office
Cermet Materials (Far East) CO., LTD
Room 1003, 10th Floor Workingberg Commercial Bldg.
41-47 Marble Road, North Point, Hong Kong
TEL: (852) 2811-5889
Fax: (852) 2960-0507
Email: albertong@cermet.com.hk



CERMET

75%Ag / 25%Pd Powder AgPd 7101 Series

X-Ray Diffraction Pattern of 75% Ag / 25% Pd 7101 Powder



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

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

Cermet Materials Incorporated
6 Mecco Drive
Wilmington, DE 19804, U.S.A.
TEL: (302) 999-1447
Fax: (302) 999-7211
Email: pansy@cermetmaterials.com

Cermet Materials (Far East) CO., LTD
Room 1003, 10th Floor Workingberg Commercial Bldg.
41-47 Marble Road, North Point, Hong Kong
TEL: (852) 2811-5889
Fax: (852) 2960-0507
Email: albertong@cermet.com.hk