



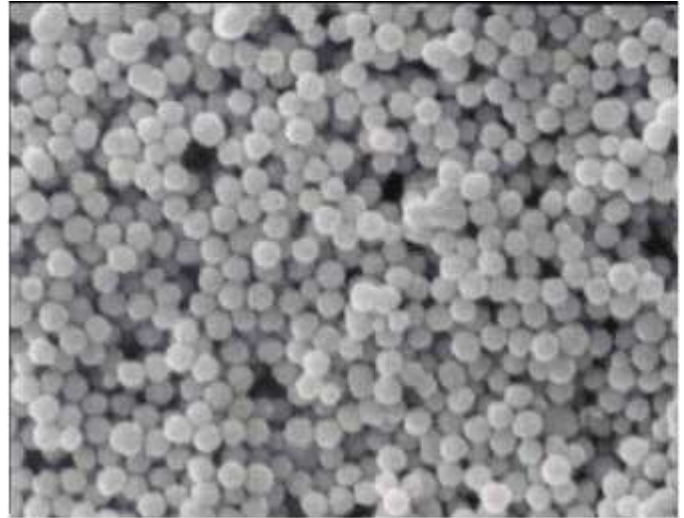
## Oxidation Resistant Pd Powder Pd 202B

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Cermet's 202B Series Pd powders are identical to standard 202 Series Pd powders, except they are designed to reduce oxidation during firing. Oxidation for Pd 202B is typically reduced from 14% to 11% as measured by TGA with a heating rate of 10°C per minute in air.

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

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



10kx SEM of Pd 202B

### TYPICAL POWDER CHARACTERISTICS

Characteristics	Parameter	Procedure
Surface Area (m <sup>2</sup> /g)	2.0 – 3.0	BET Method
Tap Density (g/cm <sup>3</sup> )	1.0 – 3.0	Tap-Pak Volumeter
PSD D90 (∞m)	1.5 – 4.5	Horiba CAPA
PSD D50 (∞m)	1.0 – 2.5	Horiba CAPA
PSD D10 (∞m)	0.5 – 1.7	Horiba CAPA

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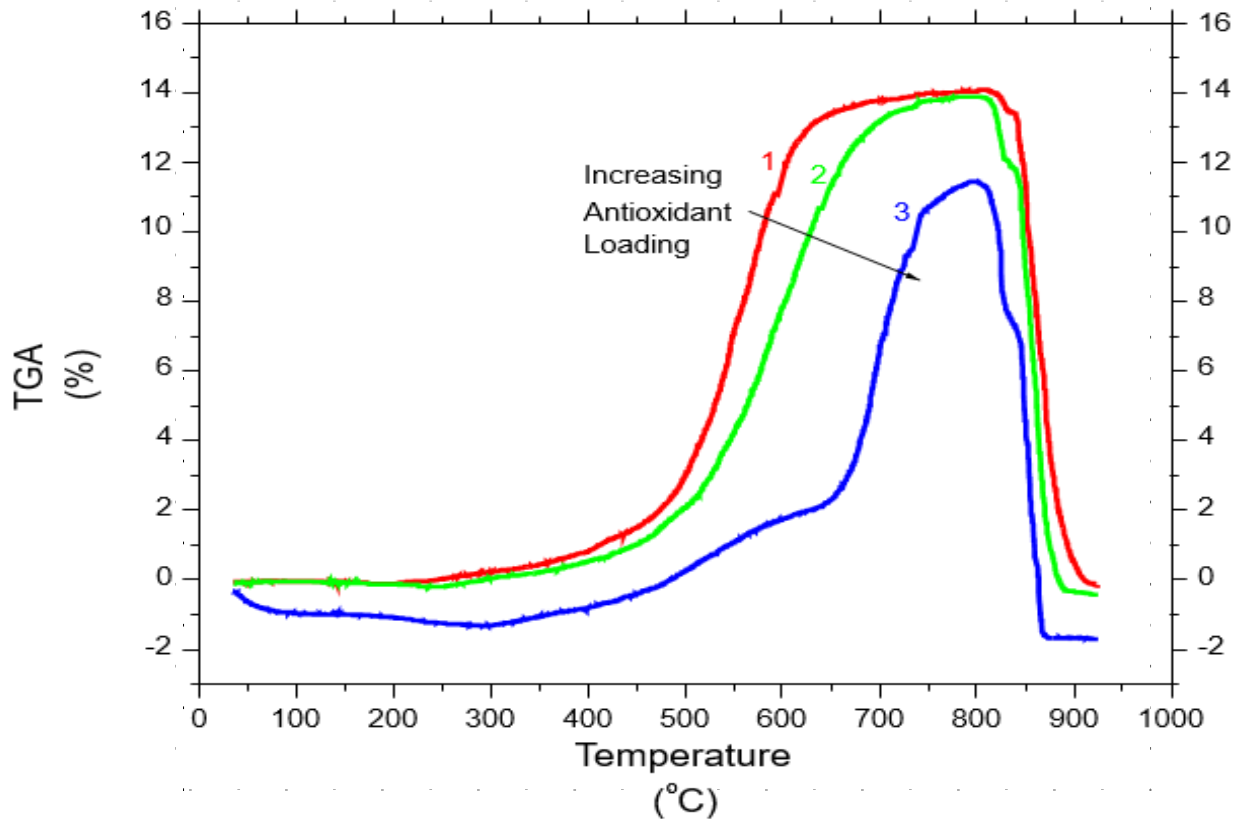
The descriptions and engineering data shown here have been compiled by Cermet using commonly-accepted procedures, in conjunction with modern testing equipment, and have been compiled as according to the latest factual knowledge in our possession. The information was up-to date on the date this document 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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## Oxidation Resistant Pd Powder Pd 202B

Pd 202B Oxidation Resistance/Coating Level Impact



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

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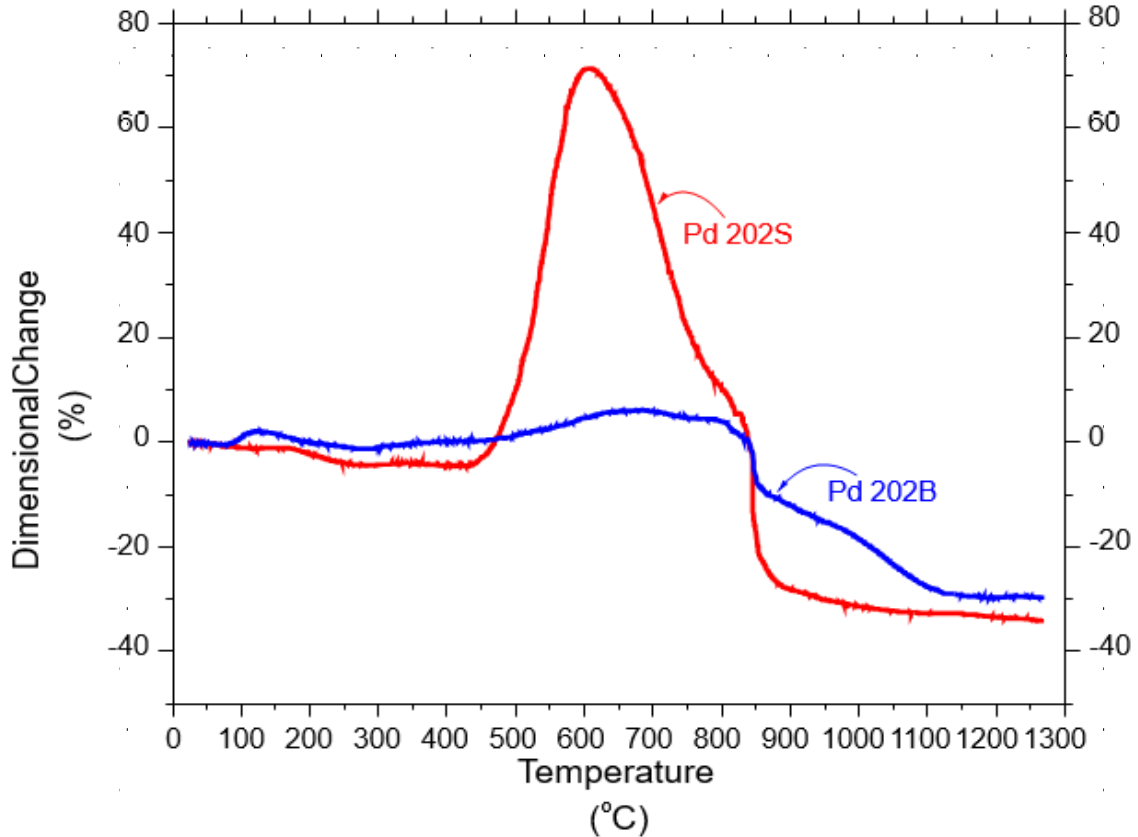
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# CERMET

## Oxidation Resistant Pd Powder Pd 202B

### Improved Sintering Behavior of Pd 202B



Netzsch DIL 402C  
Scan Rate: 10°C min<sup>-1</sup> in air

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