

# Product Technical Information

# Sprayable Yttria Stabilized Zirconia (YSZ) Nanox™ Powder S4007

## Thermal Spray Grade

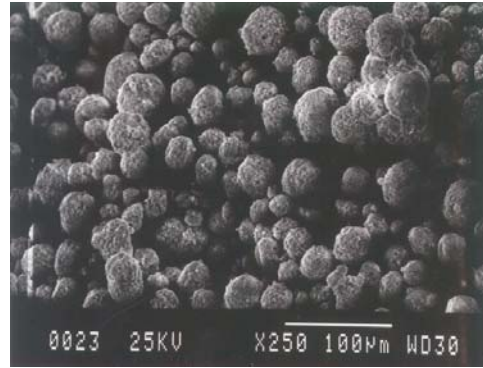
Yttria stabilized zirconia is a ceramic material used as thermal barrier coatings (TBC).

Nanox™ S4007 feedstock powder is agglomerated nanoparticles with high density and flowability.

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## Morphology

SEM micrograph typical of Nanox™ S4007 feedstock powder showing spherical geometry with high flowability.



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## Properties of Nanox™ S4007 Powder

Y<sub>2</sub>O<sub>3</sub> : ZrO<sub>2</sub> wt ratio

7 : 93

agglomerated powder size  
tap density

15 - 150 µm  
1.4 - 1.7 g/cm<sup>3</sup>

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## Contact Information

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