

Product Technical Information

Plasma Sprayable 10 mol% Yttria Stabilized Zirconia (YSZ) Solid State Electrolyte Nanox™ Powder 4017

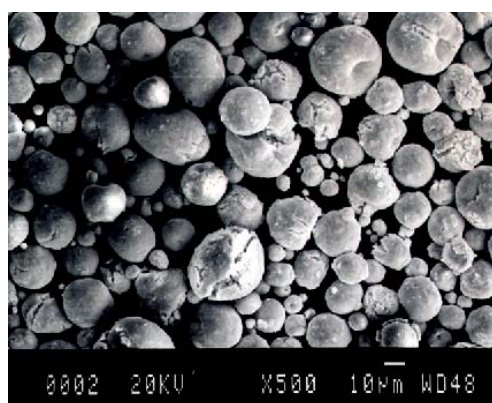
Thermal Spray Grade

10 mol% Yttria stabilized zirconia is a ceramic material used as fuel cell electrolyte

Nanox™ 4017 feedstock powder is agglomerated nanoparticles with high density and flowability and an average diameter of 20 μm.

Morphology

SEM micrograph typical of Nanox™ 4017 feedstock powder showing spherical geometry with high flowability.



Properties of Nanox™ 4007 Powder

Y ₂ O ₃ : ZrO ₂ wt ratio	17 : 83
Y ₂ O ₃ : ZrO ₂ mol ratio	10 : 90
agglomerated powder size (avg.)	20 μm

Contact Information

Inframat® Corporation, 74 Batterson Park Road, Farmington, CT 06032 USA
1-888-NANO-888, 1-860-678-7561, 1-860-678-7569 fax, web: www.inframat.com, email: info@inframat.com



The information and recommendations contained in this publication are based upon data collected by Inframat Corporation and believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein, and Inframat Corporation assumes no responsibility for the results of the use of these products and processes described herein. No statements or recommendations made herein are to be construed as inducements to infringe any relevant patent, now or hereafter in existence.

Nanoscale Materials for the Global Infrastructure™