

## American Elements Yttria stabilized Zirconia

Category : Ceramic

### Material Notes:

**General Description** Yttria stabilized Zirconia or Zirconium Oxide Nanopowder or Nanoparticles (YSZ), nanodots or nanocrystals are white high surface area particles available fully stabilized (8 mol%) or partially stabilized (3 mol%) or doped with yttria (yttrium oxide).

Nanoscale Yttria stabilized Zirconia or Zirconium Oxide is typically 5 - 100 nanometers (nm) with specific surface area (SSA) in the 25 – 50 m<sup>2</sup>/g range. Nano Yttria stabilized Zirconia or Zirconium Oxide Particles are also available in Ultra high purity and high purity and coated and dispersed forms. Applications for Yttria stabilized Zirconia or Zirconium Oxide nanocrystals include as in micro-ceramics, in solid oxide fuel cell (SOFC) electrolyte microlayers or films, and in coatings, thermal coatings, plastics, nanowire, nanofiber and textiles and in certain advanced ceramic applications.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_American-Elements-Yttria-stabilized-Zirconia.php](http://www.lookpolymers.com/polymer_American-Elements-Yttria-stabilized-Zirconia.php)

Physical Properties	Metric	English	Comments
Particle Size	0.0050 - 0.10 µm	0.0050 - 0.10 µm	
Specific Surface Area	25 - 50 m <sup>2</sup> /g	25 - 50 m <sup>2</sup> /g	

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