

## American Elements Magnesium Oxide Nanopowder

Category : Ceramic , Oxide , Magnesium Oxide

### Material Notes:

**General Description** Magnesium Oxide Nanoparticles or Magnesia Nanoparticles (MgO) Nanoparticles, nanodots or nanopowder are spinel, high surface area particles. Nanoscale Magnesium Oxide Nanoparticles or Magnesia Particles are typically 5 - 100 nanometers (nm) with specific surface area (SSA) in the 25 – 50 m<sup>2</sup>/g range. Nano Magnesium Oxide Particles are also available in Ultra high purity and high purity and coated and dispersed forms. Applications for magnesium oxide nanocrystals include as an anti-microbial, anti-biotic (biocide) and anti-fungal (fungicide) agent when incorporated in coatings, bandages, nanofiber, nanowire, plastics, alloy and textiles and further research for their potential electrical, optical, imaging, and other biomedical and bioscience properties.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_American-Elements-Magnesium-Oxide-Nanopowder.php](http://www.lookpolymers.com/polymer_American-Elements-Magnesium-Oxide-Nanopowder.php)

Physical Properties	Metric	English	Comments
Density	3.60 g/cc	0.130 lb/in <sup>3</sup>	
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	
Molecular Weight	40.3 g/mol	40.3 g/mol	

Thermal Properties	Metric	English	Comments
Melting Point	2830 °C	5130 °F	
Boiling Point	3600 °C	6510 °F	

Descriptive Properties	Value	Comments
Appearance	Black	

## Contact Songhan Plastic Technology Co.,Ltd.

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