

American Elements Tin Oxide Nanopowder

Category : Ceramic , Oxide

Material Notes:

General Description Tin Oxide (SnO) Nanopowder or Nanoparticles, nanodots or nanocrystals are spherical or faceted high surface area oxide magnetic nanostructure particles. Nanoscale Tin Oxide Particles are typically 20-40 nanometers (nm) with specific surface area (SSA) in the 10 – 80 m²/g range and also available in with an average particle size of 100 nm range with a specific surface area of approximately 5 -10 m²/g. Nano Tin Oxide Particles are also available in rutile, ultra high purity and high purity, transparent, and coated and dispersed forms. Applications for Tin Oxide Nanocrystals include in magnetic resonance, as Magnetic Nanoparticles, and for magnetic data storage and magnetic resonance imaging (MRI) and for its optical properties.

Order this product through the following link:

http://www.lookpolymers.com/polymer_American-Elements-Tin-Oxide-Nanopowder.php

Physical Properties	Metric	English	Comments
Density	6.90 g/cc	0.249 lb/in ³	
Particle Size	0.020 - 0.040 µm	0.020 - 0.040 µm	
	0.10 µm	0.10 µm	
Specific Surface Area	5.0 - 10 m ² /g	5.0 - 10 m ² /g	
	10 - 80 m ² /g	10 - 80 m ² /g	
Molecular Weight	150.69 g/mol	150.69 g/mol	

Thermal Properties	Metric	English	Comments
Melting Point	1927 °C	3501 °F	
Boiling Point	1900 °C	3450 °F	

Descriptive Properties	Value	Comments
Appearance	Black	

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