American Elements Dysprosium Oxide Nanopowder

Category : Ceramic , Oxide

Material Notes:

General DescriptionDysprosium (DyO) Oxide Nanopowder or Nanoparticles, nanodots or nanopowder are black spherical high surface area particles. Nanoscale Dysprosium Oxide Particles are typically 10 - 80 nanometers (nm) with specific surface area (SSA) in the 30 – 60 m 2 /g range. Nano Dysprosium Oxide Particles are also available in passivated and Ultra high purity and high purity and coated and dispersed forms. Research into applications for Dysprosium Oxide nanocrystals has focused on use as a Magnetic Nanoparticle with numerous uses and as high surface area supports for catalytic compounds.

Order this product through the following link:
http://www.lookpolymers.com/polymer_American-Elements-Dysprosium-Oxide-Nanopowder.php

Physical Properties	Metric	English	Comments
Particle Size	0.010 - 0.080 µm	0.010 - 0.080 µm	
Specific Surface Area	30 - 60 m²/g	30 - 60 m²/g	
Molecular Weight	373 g/mol	373 g/mol	

Descriptive Properties	Value	Comments
Appearance	Black	
Solubility	Insoluble in water, moderately soluble in strong mineral acids	
Stability	Slightly hygroscopic	

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