

## American Elements Lead Oxide Nanopowder

Category : Ceramic

### Material Notes:

**General Description** Lead Oxide ( PbO) Nanopowder or Nanoparticles, nanodots or nanocrystals are spherical or faceted high surface area oxide magnetic nanostructure particles. Nanoscale Lead Oxide Particles are typically 20-40 nanometers (nm) with specific surface area (SSA) in the 30 – 50 m<sup>2</sup>/g range and also available in with an average particle size of 100 nm range with a specific surface area of approximately 7 m<sup>2</sup>/g. Nano Lead Oxide Particles are also available in ultra high purity and high purity, transparent, and coated and dispersed forms. Lead Oxide is also available in pellets, pieces, sputtering targets, tablets, and nanopowder (from American Elements nanoscale production facilities). Applications for Lead Oxide Nanocrystals include in magnetic resonance, as Magnetic Nanoparticles, and for magnetic data storage and magnetic resonance imaging (MRI).

Order this product through the following link:

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

| Physical Properties   | Metric                    | English                   | Comments |
|-----------------------|---------------------------|---------------------------|----------|
| Particle Size         | 0.020 - 0.040 µm          | 0.020 - 0.040 µm          |          |
|                       | 0.10 µm                   | 0.10 µm                   |          |
| Specific Surface Area | 7.0 m <sup>2</sup> /g     | 7.0 m <sup>2</sup> /g     |          |
|                       | 30 - 50 m <sup>2</sup> /g | 30 - 50 m <sup>2</sup> /g |          |

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