

American Elements Manganese Nanoparticles

Category : Metal , Nonferrous Metal , Pure Element

Material Notes:

General Description Manganese (Mn) Nanoparticles, nanodots or nanopowder are spherical or faceted high surface area metal nanostructure particles. Nanoscale Manganese Particles are typically 20-40 nanometers (nm) with specific surface area (SSA) in the 30 – 50 m²/g range and also available in with an average particle size of 100 nm range with a specific surface area of approximately 7 m²/g. Nano Manganese Particles are also available in Ultra high purity and high purity and coated and dispersed forms. Applications for Manganese Nanocrystals include as a Magnetic Nanoparticle (also in iron-manganese nanoparticles) for magnetic data storage and magnetic resonance imaging (MRI), in biosensors and in coatings, plastics, nanowire, nanofiber and textiles and in certain alloy and catalyst applications. Further research is being done for their potential electrical, optical, imaging, biomedical and bioscience properties. Manganese Nano Particles are generally immediately available in most volumes.

Order this product through the following link:

http://www.lookpolymers.com/polymer_American-Elements-Manganese-Nanoparticles.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 ² /g | 7.0 m ² /g | |
| | 30 - 50 m ² /g | 30 - 50 m ² /g | |
| Molecular Weight | 54.94 g/mol | 54.94 g/mol | |

| Descriptive Properties | Value | Comments |
|------------------------|---------|----------|
| Appearance | Silvery | |

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