

American Elements Iron Nanoparticles

Category : Metal , Ferrous Metal , Pure Element

Material Notes:

General Description Iron (Fe) Nanoparticles, nanodots or nanopowder are spherical or faceted high surface area metal nanostructure particles. Nanoscale Iron 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 Iron Particles are also available in Ultra high purity and high purity and coated and dispersed forms. Applications for Iron Nanocrystals include in environmental clean up of carbon tetrachloride in contaminated groundwater, magnetic data storage and resonance imaging (MRI) and in coatings, plastics, nanowire, nanofiber and textiles and in certain alloy and catalyst applications. Further research is being done for their potential electrical, dielectric, magnetic, optical, imaging, catalytic, biomedical and bioscience properties.

Order this product through the following link:

http://www.lookpolymers.com/polymer_American-Elements-Iron-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	55.85 g/mol	55.85 g/mol	

Descriptive Properties	Value	Comments
Appearance	Gray	

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