

American Elements Cobalt Iron Nanopowder

Category : Metal , Nonferrous Metal , Cobalt Alloy

Material Notes:

General Description Cobalt Iron (CoFe) Nanopowder or Nanoparticles, nanodots or nanocrystals are black spherical or faceted high surface area nanocrystalline alloy particles with magnetic properties. Nanoscale Cobalt 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 Cobalt Iron Particles are also available in ultra high purity and high purity and coated and dispersed forms. Applications for Cobalt Iron Nanocrystals include in electro magnetic machines and micro-equipment due to their high magnetic saturation values and high Curie temperatures as Magnetic Nanoparticles capable of killing cancer cells, for magnetic data storage and magnetic 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, bio-medical and bioscience properties.

Order this product through the following link:

http://www.lookpolymers.com/polymer_American-Elements-Cobalt-Iron-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 ² /g	7.0 m ² /g	
	30 - 50 m ² /g	30 - 50 m ² /g	

Descriptive Properties	Value	Comments
Appearance	Black Powder	

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