

American Elements Nickel Nanoparticles

Category : Metal , Nonferrous Metal , Pure Element

Material Notes:

General Description Nickel (Ni) Nanoparticles, nanodots or nanopowder are black spherical high surface area particles. Nanoscale Nickel Particles are typically 10 - 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 50 - 100 nm range with a specific surface area of approximately 5 - 10 m²/g. Nano Nickel Particles are also available in passivated and Ultra high purity and high purity and coated and dispersed forms. Applications for nickel nanocrystals include numerous catalytic functions such as in the anode of solid oxide fuel cells (SOFC) or in the conductive electrolytic layer of proton exchange membrane (PEM) fuel cells, in replacement of platinum. Also, substituting all or a portion of the platinum with nickel nano particles in automotive catalytic converters would significantly reduce their cost 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, biomedical and bioscience properties.

Order this product through the following link:

http://www.lookpolymers.com/polymer_American-Elements-Nickel-Nanoparticles.php

Physical Properties	Metric	English	Comments
Particle Size	0.010 - 0.040 µm	0.010 - 0.040 µm	
	0.050 - 0.10 µm	0.050 - 0.10 µm	
Specific Surface Area	5.0 - 10 m ² /g	5.0 - 10 m ² /g	
	30 - 50 m ² /g	30 - 50 m ² /g	
Molecular Weight	58.69 g/mol	58.69 g/mol	

Descriptive Properties	Value	Comments
Appearance	Black	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China