

American Elements Niobium Nanoparticles

Category : Metal , Nonferrous Metal , Pure Element

Material Notes:

General Description Niobium (Nb) Nanoparticles, nanodots or nanopowder are spherical or faceted high surface area metal particles. Nanoscale Niobium Particles are typically 10-20 nanometers (nm) with specific surface area (SSA) in the 30 – 60 m²/g range and also available in with an average particle size of 80 nm range with a specific surface area of approximately 12 m²/g. Nano Niobium Particles are also available in Ultra high purity and high purity and coated and dispersed forms. Applications for Niobium nanocrystals include as electrocatalysts and as a superconductor and further research is being done for their Anisotropic Thermal Conductivity electrical and dielectric properties.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Particle Size	0.010 - 0.020 µm	0.010 - 0.020 µm	
	0.080 µm	0.080 µm	
Specific Surface Area	12 m ² /g	12 m ² /g	
	30 - 60 m ² /g	30 - 60 m ² /g	
Molecular Weight	92.9 g/mol	92.9 g/mol	

Descriptive Properties	Value	Comments
Appearance	Silvery	

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