

American Elements Lithium Nanoparticles

Category : Metal , Nonferrous Metal , Pure Element

Material Notes:

General Description Lithium (Li) Nanoparticles, nanodots or nanopowder are black spherical high surface area particles. Nanoscale Lithium Particles are typically 10 - 50 nanometers (nm) with specific surface area (SSA) in the 30 – 50 m²/g range. Nano Lithium Particles are also available in passivated and Ultra high purity and high purity and coated and dispersed forms. Research into applications for lithium nanocrystals has focused on use as in lithium ion batteries to both accelerate charge and discharge time as well as for their other potential electrical, dielectric, magnetic, optical, catalytic, biomedical and bioscience properties and for use in coatings, plastics, nanowire, nanofiber and textiles and in alloy and catalyst applications.

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

Physical Properties	Metric	English	Comments
Particle Size	0.010 - 0.050 µm	0.010 - 0.050 µm	
Specific Surface Area	30 - 50 m ² /g	30 - 50 m ² /g	
Molecular Weight	6.941 g/mol	6.941 g/mol	

Descriptive Properties	Value	Comments
Appearance	Black	
Stability	Fairly stable in air	

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