American Elements Tin Nanoparticles

Category : Metal , Nonferrous Metal , Pure Element

Material Notes:

General DescriptionTin (Sn) Nanoparticles, nanodots or nanopowder are spherical or faceted high surface area metal particles. Nanoscale Tin Particles are typically 10-20 nanometers (nm) with specific surface area (SSA) in the 30 – 60 m 2 /g range and also available in with an average particle size of 80 nm range with a specific surface area of approximately 12 m 2 /g. Nano Tin Particles are also available in Ultra high purity and high purity and coated and dispersed forms. Applications for Tin nanocrystals include in transparent ant-static film, as an anti-microbial, anti-biotic and anti-fungal agent when doped with silver and incorporated in coatings, plastics, nanofiber, bandages and textiles. Further research is being done for their potential as confined acoustic and optic phonons and for their electrical, biomedical and bioscience properties. Tin Nano Particles are generally immediately available in most volumes.

Order this product through the following link:
http://www.lookpolymers.com/polymer_American-Elements-Tin-Nanoparticles.php

Physical Properties	Metric	English	Comments
Density	7.31 g/cc	0.264 lb/in³	
Particle Size	0.010 - 0.020 µm	0.010 - 0.020 µm	
	0.080 µm	0.080 µm	
Specific Surface Area	12 m²/g	12 m²/g	
	30 - 60 m²/g	30 - 60 m²/g	
Molecular Weight	118.69 g/mol	118.69 g/mol	

Thermal Properties	Metric	English	Comments
Melting Point	231.93 °C	449.47 °F	
Boiling Point	2602 °C	4716 °F	

Descriptive Properties	Value	Comments
Appearance	Black	

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