

## American Elements Silicon Nitride Nanoparticles

Category : Ceramic , Nitride

### Material Notes:

General Description Silicon Nitride (SiN) Nanoparticles, nanodots or nanopowder are spherical high surface area particles. Nanoscale Silicon Nitride Particles are typically 10 - 100 nanometers (nm) with specific surface area (SSA) in the 25 – 75 m<sup>2</sup>/g range. Nano Silicon Nitride Particles are also available in ultra high purity and high purity and coated and dispersed forms. Research into applications for Silicon Nitride nanocrystals includes use as a superbase catalyst, in solar cell applications, as a substrate and for use in other coatings, plastics, polymers and wire. Silicon Nitride Nano Particles are generally immediately available in most volumes.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_American-Elements-Silicon-Nitride-Nanoparticles.php](http://www.lookpolymers.com/polymer_American-Elements-Silicon-Nitride-Nanoparticles.php)

Physical Properties	Metric	English	Comments
Density	3.20 g/cc	0.116 lb/in <sup>3</sup>	
Particle Size	0.010 - 0.10 µm	0.010 - 0.10 µm	
Specific Surface Area	25 - 75 m <sup>2</sup> /g	25 - 75 m <sup>2</sup> /g	
Molecular Weight	140.28 g/mol	140.28 g/mol	

Thermal Properties	Metric	English	Comments
Melting Point	1900 °C	3450 °F	

Descriptive Properties	Value	Comments
Appearance	Silvery	

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