

Product Data Sheet

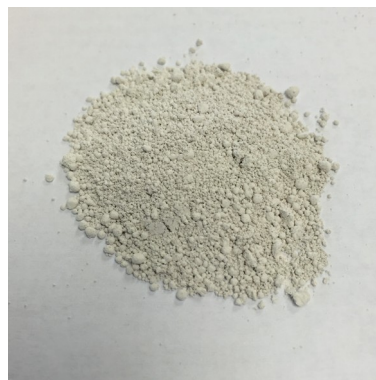
Alpha Silicon Nitride - E90 Grade

Product Properties

Appearance at 25°C White/Grey powder

Elemental Assay (mass fraction in %)

N	min. 38.0%
Fe	max. 0.01%
O	max. 1.2%
C	max. 0.4%
Al	max. 0.02%
Alpha phase content	min. 90.0%



Physical Characteristics

Specific Surface Area 12-15 m²/g

Particle Characterization (Coulter LS)

Mean Diameter (N)	0.104	% Volume <1.0µm	99.90
Volume 3% Dia. µm (N)	0.045	% Volume <2.5µm	99.99
Volume 6% Dia. µm (N)	0.051	% Volume <3.5µm	100.00
Volume 50% Dia. µm (N)	0.087	% Volume <5.0µm	100.00
Volume 94% Dia. µm (N)	0.199	% Volume <20.0µm	100.00
Volume 97% Dia. µm (N)	0.250		

Regulatory Information

DOT/TDG Classification	Not Regulated
HMIS Code	1-0-0
CAS Number	12033-89-5
TSCA Inventory	Yes
WHMIS Classification	Not Regulated

Toxicity and Safety

For information on the toxicity and safe handling of this product, please read the Material Safety Data Sheet prior to use of the product.

Handling and Storage

Locate in a closed container in a dry and non-draft area to avoid dust production.

Shipping Data

Product is available in various quantities. For product inquiries please contact sales@nuvosi.com.

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