

# Silicon

ALUMINIUM OXYNITRIDE POWDER

## Quick FACTS

- ✓ Product : Silicon Aluminium Oxynitride Powder
- ✓ Color : White to gray Powder
- ✓ Stock No : NS6130-12-000868
- ✓ CAS : 112760-32-4
- ✓ Purity : 99.9%
- ✓ APS : 30-50 $\mu$ m
- ✓ Other Metal : 8500ppm

Silicon Aluminium Oxynitride Powder combination of silicon nitride and aluminum oxide produces a material with the excellent strength, hardness, fracture toughness and low thermal expansion of silicon nitride, enhanced by corrosion resistance, good high-temperature strength and oxidation resistance imparted by the aluminum oxide. It is highly thermal shock resistant, strong, brass, bronze, and other common industrial metals.



 ISO 9001:2015  
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ISO: 13485:2016/20ZICE4588M  
CE: 20ZICE4589C

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[www.nanoshel.com](http://www.nanoshel.com) | [sales@nanoshel.com](mailto:sales@nanoshel.com)

Tel: +91 9779550077,9779238252

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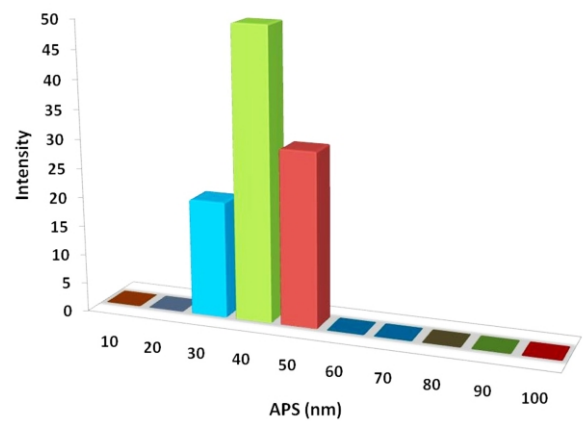
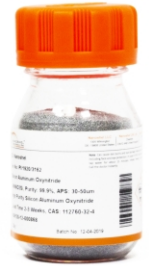
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## Applications

- ✓ Thermocouple protection tubes for nonferrous metal melting
- ✓ Immersion heater and burner tubes
- ✓ Degassing and injector tubes in nonferrous metals
- ✓ Metal feed tubes in aluminum die casting
- ✓ Welding and brazing fixtures and pins

## Packing Sizes Available

10ml, 25ml, 50ml, 100ml,  
250ml, 500ml, 1Ltr & Bulk orders



## Technical SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
Al <sub>6</sub> N <sub>6</sub> O <sub>2</sub> Si	306.01 g/mol	3.3g/cm <sup>3</sup>	1800 °C

### INTELLIGENT MATERIALS PVT LTD

Derabassi-140507 Punjab-India  
www.nanoshel.com | sales@nanoshel.com  
+91 9779 550077, 9779238252  
Company's GSTIN: 03AABCI9814Q1Z6

### NANOSHEL UK LIMITED.

Chapel House  
Chapel St Cheshire  
CW12 4AB United Kingdom  
+44(0)74105488, +442031375187

### NANOSHEL LLC.

3422 old Capitol Suit  
1305 Wilmington DE - 19808  
United States  
+1646 470 4911



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