

SPECIFICATION

Silicon Nitride

Parameters	Specification
CAS Number	12033-89-5
Appearance	White to gray-white powder
Molecular Formula	N ₄ Si ₃
Molecular Weight	140.29 g/mol
Boiling Point	2100 °C
Melting Point	1900 °C
Flash Point	2000 °C
Purity	99-99.9%
Refractive Index	2
Solubility	Insoluble in water; insoluble in most solvents; inert in acids and bases
Uses	Wear-resistant components, cutting tools, bearings, high-temperature structural ceramics

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