

# Technical Data Sheet

Silicon nitride powder, amorphous

Revision Date: 8/18/2025

## 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

<b>Product name</b>	Silicon nitride powder, amorphous
<b>Product code</b>	NC-0009-HP
<b>CAS</b>	12033-89-5
<b>Supplier</b>	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
<b>Telephone</b>	+49 (0)7131 - 898390
<b>Fax</b>	+49 (0)7131 - 89839109
<b>Emergency telephone</b>	+49 (0)151-41255671

## 2 COMPOSITION / INFORMATION ON INGREDIENTS

<b>Ingredient name</b>	Silicon nitride
<b>CAS No.</b>	12033-89-5
<b>Empirical Formula</b>	$\text{Si}_3\text{N}_4$
<b>Molecular weight</b>	140.28 g/mol
<b>Purity</b>	99%
<b>Oxygen Content</b>	< 0.5%
<b>Average Particle Size</b>	15 - 20 nm
<b>Specific Surface Area</b>	> 110 m <sup>2</sup> /g
<b>Relative Density</b>	3.40 g/cm <sup>3</sup>
<b>Bulk Density</b>	0.06 g/cm <sup>3</sup>

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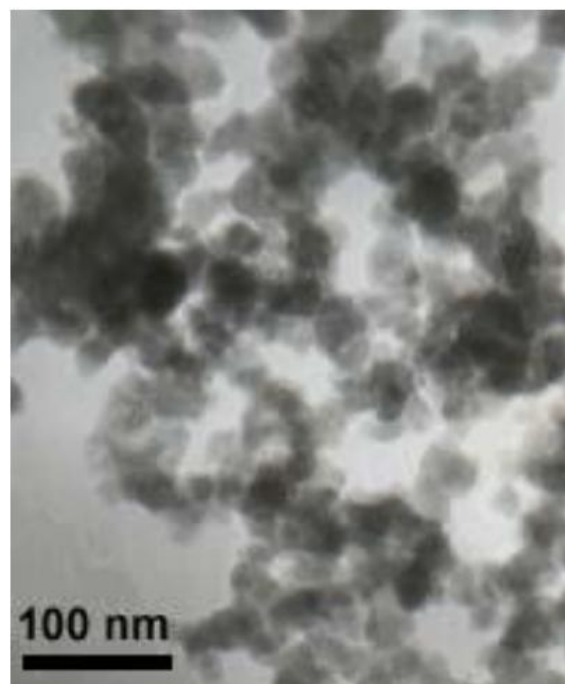
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**Melting point** 1900°C

## 3 CONTENT OF IMPURITIES

Impurity	Content
Si <sub>f</sub>	≤ 0.25%
Cl	≤ 0.25%
O	≤ 0.5%

## 4 TEM IMAGE



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## 5 OTHER INFORMATION

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