

Technical Data Sheet

Silicon Nitride Granules

Product ID: 140700GN001 / 140700GN002

Formular: Si_3N_4

Molecular weight: 140.28 g/mol

CAS No.: 12033-89-5

EINECS No.: 234-796-8

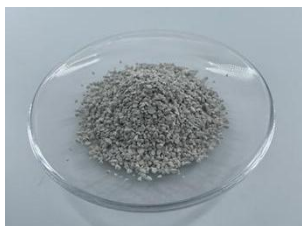
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Description: Our silicon nitride granules can be customized to various sizes as needed and offer high strength, excellent wear resistance, high-temperature durability, low density, and outstanding chemical stability.

Application: Advanced ceramics, wear-resistant components, high-temperature structural parts, electronic packaging, and composite materials.

Product

Image:



1. Sizes

Product ID	Formular	Size	Crystal From
140700GN001	Si_3N_4	1 - 5 mm	Alpha- Si_3N_4 > 92%
140700GN002	Si_3N_4	1 - 10 mm	Alpha- Si_3N_4 > 92%
140700GNDZ	Si_3N_4	Customized	Customized

2. Chemical compositions

	Chemical Compositions (wt%)						
Element Typical Value Purity	Fe	Al	Ca	Si	C	N	O
Alpha-Si ₃ N ₄ > 92%	≤ 0.5	≤ 0.5	≤ 0.5	≤ 1.0	≤ 0.15	≥ 38.0	≤ 1.2

Note: The purity values (metal basis, excluding gaseous elements (C, N, H, O)) shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. Packaging

Bottled/Bag.

Double vacuum packed.

Customizable packaging is available upon request.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

When using, wear protective equipment and operate in a dry and clean environment to avoid moisture absorption and contamination.

Store in a sealed container in a cool, dry place, away from humidity and strong oxidizing agents.

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