

Technical Data Sheet

Silicon Granules

Product ID: 1400GN001 - 1400GN005

Formular: Si

Molecular weight: 28.09 g/mol

CAS No.: 7440-21-3

EINECS No.: 231-130-8

Color: Dark gray

Description: Our silicon granules have a purity of $\geq 5N$, with higher purity levels and various sizes available upon request. They offer high specific capacity and excellent electrical conductivity.

Application: Lithium-ion batteries, semiconductor manufacturing, photovoltaic materials, and advanced electronic applications.

**Product
Image:**



1. Sizes

Product ID	Formular	Size
1400GN001	Si (99.999%)	1 mm - 4 mm
1400GN002	Si (99.999%)	3 mm - 6 mm
1400GN003	Si (99.999%)	<5 mm
1400GN004	Si (99.9999%)	<10 mm
1400GN005	Si (99.9999%)	10 mm - 30 mm
1400GN4NDZ	Si (99.999%)	Customized
1400GN5NDZ	Si (99.9999%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Fe	Al	Cu	Mn	Ca	Zn
99.999%	≤ 1.5	≤ 1.0	≤ 1.0	≤ 0.50	≤ 1.0	≤ 1.0
99.9999%	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.05	≤ 0.1	≤ 0.1

Note: The purity values 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 packaging.

Customizable packaging is available upon request.

4. Period of Validity

It is recommended to use this product within 12 months (stored under proper conditions). If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

Handle in a dry, well-ventilated environment and avoid exposure to moisture and oxidizing agents.

Store in a sealed container under dry, cool conditions to prevent oxidation and moisture absorption.

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