HALBLEITER MATERIAL

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Technical Data Sheet

Silicon Carbide Granules

Product ID: **140600GN001 - 140600GN003**
Formular: SiC **Molecular weight:** 40.1 g/mol
CAS No.: 409-21-2 **EINECS No.:** 206-991-8
Color: Black, dark green
Description: Our silicon carbide particles are available in 99.5% and 99.99% purity, with customizable particle sizes upon request, and offer exceptional hardness, excellent wear resistance, outstanding thermal conductivity, and high-temperature chemical stability.
Application: Abrasive materials, refractories,high-end semiconductors, power electronics, optoelectronic devices, and advanced ceramic applications.
Product Image:

1. Sizes

Product ID	Formular	Size
140600GN001	SiC (99.5%)	3 mm - 6 mm
140600GN002	SiC (99.5%)	1 mm - 10 mm
140600GN003	SiC (99.99%)	~ 0.5 mm
140600GN2N5DZ	SiC (99.5%)	Customized
140600GN4NDZ	SiC (99.99%)	Customized

2. Chemical compositions

	Metal impurities (ppm)						
Element / Typical Value / Purity	Nb	Fe	Al	Mg	Na	Ni	Cu
99.5%	≤ 200	≤ 800	≤ 500	≤ 200	≤ 300	≤ 300	≤ 300
99.99%	≤ 2.0	≤ 20	≤ 25	≤ 10	≤ 15	≤ 8	≤ 2.0

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

When using, wear protective equipment and operate in a dry, well-ventilated environment while minimizing dust generation and avoiding moisture.

Store in a tightly sealed container in a cool, dry place, protected from humidity and contamination.

Contact Us

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