

Technical Data Sheet

Boron Carbide Granules

Product ID: 050600GN001 / 050600GN002

Formula: B₄C

Molecular weight: 55.25 g/mol

CAS No.: 12069-32-8

EINECS No.: 235-111-5

Color: Black

Description: Boron carbide granules offer exceptional hardness, low density, high-temperature stability, and excellent chemical resistance.

Application: Abrasive materials, ceramic manufacturing, refractory components, neutron-absorbing materials, etc.

**Product
Image:**



1. Sizes

Product ID	Formula	Size
050600GN001	B ₄ C (99.5%)	1 mm - 10 mm
050600GN002	B ₄ C (99.5%)	6 mm - 20 mm
050600GNDZ	B ₄ C (99.5%)	Customized

2. Chemical compositions

Element Typical Value Purity	Chemical Compositions (ppm)							
	Ca	Cr	Dy	Fe	Gd	Hf	Ni	Si
99.5%	≤ 200	≤ 200	≤ 200	≤ 300	≤ 200	≤ 200	≤ 200	≤ 500

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 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

Handle in a well-ventilated area using appropriate personal protective equipment to minimize dust generation and avoid inhalation.

Store in a tightly sealed container in a cool, dry environment, protected from moisture, contamination, and physical damage.

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