HALBLEITER MATERIAL

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Technical Data Sheet

Germanium Oxide Granules

Product ID: **320800GN001 / 320800GN002**

Formula: GeO_2 **Molecular weight:** 104.64 g/mol

CAS No.: 1310-53-8 **EINECS No.:** 215-180-8

Color: White

Description: Our germanium oxide granules have a purity of ≥99.99%, can be customized to different sizes based on requirements, and offer excellent optical properties and thermal stability.

Application: Optoelectronic devices, optical fiber communications, laser technology, infrared optical materials, etc.

Product Image:



1. Sizes

Product ID	Formula	Size
320800GN001	GeO_2 (99.99%)	3mm - 6 mm
320800GN002	GeO_2 (99.995%)	3mm - 12 mm
320800GN4NDZ	GeO_2 (99.99%)	Customized
320800GN4N5DZ	GeO_2 (99.995%)	Customized

2. Chemical compositions

	Chemical Composition (ppm)							
Element / Typical Value / Purity	Co	Zn	Cu	Al	Ni	Pb	Fe	As
99.99%	≤ 10	≤ 20	≤ 15	≤ 15	≤ 10	≤ 8	≤ 10	≤ 8
99.995%	≤ 5	≤ 5	≤ 5	≤ 8	≤ 5	≤ 5	≤ 8	≤ 5

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.

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 well-ventilated area to avoid inhalation or contact with dust.

Stored in a sealed container in a cool, dry place, away from incompatible substances, and the storage container should be regularly inspected for integrity.

Contact Us

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