HALBLEITER MATERIAL

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Technical Data Sheet

Aluminum Oxide Granules/Pellets

Product ID:	**130800GN001 - 130800GN005 / 130800PL001 - 130800PL002**		
Formular:	Al_2O_3	**Molecular weight:**	101.96 g/mol
CAS No.:	1344-28-1	**EINECS No.:**	215-691-6
Color:	White or transparent crystal		
Description:	Our alumina typically have a purity of ≥99.99% and are available in crystalline and sintered, and we offer irregular granules and pellets. Higher purity levels and customized particle sizes are available upon request. They feature excellent thermal stability, hardness, and chemical resistance.		
Application:	Advanced ceramics, electronic components, thin-film deposition, optical materials, and high-temperature applications.		
Product Image:			

1. Sizes

Product ID	Formular	Size	Processing
130800GN001	Al_2O_3 (99.99%)	1 - 3 mm	Sintered
130800GN002	Al_2O_3 (99.99%)	3 - 6 mm	Sintered
130800GN003	Al_2O_3 (99.99%)	2 - 5 mm	Crystalline
130800GN004	Al_2O_3 (99.999%)	1 - 3 mm	Crystalline
130800GN005	Al_2O_3 (99.999%)	3 - 6 mm	Crystalline
130800PL001	Al_2O_3 (99.99%)	Ø 12 mm x 6 mm	Sintered
130800PL002	Al_2O_3 (99.99%)	Ø 18 mm x 12 mm	Sintered
130800GNDZ	Al_2O_3	Customized	Crystalline/Sintered
130800PLDZ	Al_2O_3	Customized	Sintered

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2. Chemical compositions

	Metal impurities (ppm)					
Element / Typical Value / Purity	Na	Ca	Zr	Mg	Fe	Si
99.99% (Sintered)	≤ 40	≤ 5	≤ 5	≤ 5	≤ 20	≤ 20

	Metal impurities (ppm)					
Element / Typical Value / Purity	Si	Na	Fe	Ca	Mg	Zn
99.99% (Crystalline)	≤ 20	≤ 35	≤ 10	≤ 10	≤ 5	≤ 5
99.999% (Crystalline)	≤ 3	≤ 1	≤ 2	≤ 1	≤ 2	≤ 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

Bottle/Bag.
Double vacuum packed.
Customized packaging is available.

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 a dust mask, ensure proper ventilation, avoid inhalation or skin/eye contact.

Store in a tightly sealed container in a cool, dry place away from acids and moisture.

Contact Us

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