

Technical Data Sheet

Aluminum Oxide Granules/Pellets

Product ID:	130800GN001 - 130800GN004 / 130800PL001 - 130800PL002		
Formular:	Al ₂ O 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 granules typically have a purity of ≥99.99% and are available in crystalline, sintered, and pellet forms. 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 ₂ O ₃ (99.99%)	1 - 3 mm	Sintering
130800GN002	Al ₂ O ₃ (99.99%)	3 - 8 mm	Sintering
130800GN003	Al ₂ O ₃ (99.999%)	1 - 3 mm	Crystal
130800GN004	Al ₂ O ₃ (99.999%)	3 - 8 mm	Crystal
130800PL001	Al ₂ O ₃ (99.99%)	Ø 12 mm x 6 mm	Sintering
130800PL002	Al ₂ O ₃ (99.99%)	Ø 18 mm x 12 mm	Sintering
130800GNDZ	Al ₂ O ₃	Customized	Crystal/Sintering
130800PLDZ	Al ₂ O ₃	Customized	Sintering

2. Chemical compositions

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

Element Typical Value Purity	Metal impurities (ppm)					
	Si	Na	Fe	Ca	Mg	Zn
99.999% (Crystal)	≤ 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.

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.

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