

Technical Data Sheet

Aluminum Oxide Sputtering Target

Product ID: 130800ST001 - 130800ST004

Formular: Al_2O_3

Molecular weight: 101.96 g/mol

CAS No.: 1344-28-1

EINECS No.: 215-691-6

Color: White

Description: Our alumina sputtering targets have a typical purity of $\geq 99.99\%$ and can be customized in various sizes upon request. They offer excellent insulation, chemical stability, and uniform thin-film deposition performance.

Application: Semiconductor, optoelectronic, optical coating, and insulating thin-film applications.

Product

Image:



1. Sizes

Product ID	Formular	Size
130800ST001	Al_2O_3 (99.95%)	Ø 76.2mm x 3.175mm
130800ST002	Al_2O_3 (99.99%)	Ø 76.2 mm x 6.35 mm
130800ST003	Al_2O_3 (99.99%)	Ø 101.6 mm x 6.35mm
130800ST004	Al_2O_3 (99.99%)	149 mm x 34 mm x 6mm
130800ST3N5DZ	Al_2O_3 (99.95%)	Customized
130800ST4NDZ	Al_2O_3 (99.99%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Cr	Cu	Mn	Co	Ni	Na
99.95%	≤ 50	≤ 30	≤ 25	≤ 20	≤ 15	≤ 50
99.99%	≤ 20	≤ 20	≤ 20	≤ 10	≤ 8	≤ 20

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

Carton/wooden box outer bag.
Double vacuum inner bag.

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.

Stored in a cool, dry and well-ventilated area, and follow proper procedures for disposal and cleaning to maintain material integrity and safety.

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