

Technical Data Sheet

Aluminum Nitride Sputtering Target

Product ID: 130700ST001 - 130700ST003

Formula: AlN

Molecular weight: 40.99 g/mol

CAS No.: 24304-00-5

EINECS No.: 246-140-8

Color: Gray

Description: Our aluminum nitride (AlN) sputtering targets offer ≥99.5% purity, customizable dimensions, excellent thermal conductivity, electrical insulation, and chemical stability.

Application: High-frequency electronics, thermal management, optoelectronic devices, semiconductor packaging, and functional or protective coatings.

Product

Image:



1. Sizes

Product ID	Formula	Size
130700ST001	AlN (99.5%)	Ø 25mm x 5 mm
130700ST002	AlN (99.5%)	Ø 50.8mm x 3.175 mm
130700ST003	AlN (99.5%)	Ø 76.2mm x 3.175 mm
130700STDZ	AlN (99.5%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)						
	Ca	V	Fe	Cu	Zn	Nb	Sb
99.5%	≤ 800	≤ 500	≤ 500	≤ 300	≤ 100	≤ 100	≤ 300

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 contact with strong acids or bases.

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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