

Technical Data Sheet

Boron Nitride Sputtering Target

Product ID: 050700ST001 / 050700ST002

Formula: BN

Molecular weight: 24.82 g/mol

CAS No.: 10043-11-5

EINECS No.: 233-136-6

Color: White

Description: BN Sputtering Targets offer high purity, excellent thermal stability, chemical resistance, electrical insulation, and good sputtering performance for producing uniform boron nitride thin films.

Application: Semiconductor, electronics, optics, dielectric coatings, and high-temperature protective coating applications.

Product

Image:



1. Physical Properties

Product ID	Formula	Sizes
050700ST001	BN (99.5%)	Ø 25.4 mm x 3.175 mm
050700ST002	BN (99.5%)	68 mm x 10 mm x 4 mm th.
050700STDZ	BN (99.5%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)						
	Al	Si	K	Ca	Mn	Fe	Ni
99.5%	≤ 300	≤ 500	≤ 200	≤ 300	≤ 200	≤ 200	≤ 100

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

Double vacuum inner bag.

Carton/wooden box outer bag.

Customized according to customer requirements.

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

Handle carefully with clean gloves and avoid impact, contamination, and prolonged exposure to moisture.

Store in a clean, dry, sealed package at room temperature, protected from moisture, dust, and direct sunlight.

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