

Technical Data Sheet

Bismuth Metal Sputtering Target

Product ID: 8300ST001 - 8300ST016

Formular: Bi

Molecular weight: 208.98 g/mol

CAS No.: 7440-69-9

EINECS No.: 231-177-4

Color: Silver gray

Description: Our bismuth targets generally have a purity of $\geq 99.99\%$, with options for higher purity and customized sizes, and offer comprehensive advantages including high purity, excellent chemical stability, good film-forming uniformity, and environmentally friendly, non-toxic properties.

Application: Optoelectronic thin films, semiconductor devices, magnetic materials, medical imaging coatings, etc.

Product

Image:



1. Physical Properties

Product ID	Formula	Sizes
8300ST001	Bi (99.99%)	Ø 25.4 mm x 3.175 mm
8300ST002	Bi (99.99%)	Ø 25.4 mm x 6.35 mm
8300ST003	Bi (99.99%)	Ø 50.8 mm x 3.175 mm
8300ST004	Bi (99.99%)	Ø 50.8 mm x 6.35 mm
8300ST005	Bi (99.99%)	Ø 76.2 mm x 3.175 mm
8300ST006	Bi (99.99%)	Ø 76.2 mm x 6.35 mm
8300ST007	Bi (99.99%)	300 mm x 100 mm x 8mm
8300ST008	Bi (99.999%)	Ø 25.4 mm x 3.175 mm
8300ST009	Bi (99.999%)	Ø 25.4 mm x 6.35 mm
8300ST010	Bi (99.999%)	Ø 50.8 mm x 3.175 mm
8300ST011	Bi (99.999%)	Ø 50.8 mm x 6.35 mm
8300ST012-016	Bi (99.999%)	...
8300ST4NDZ	Bi (99.99%)	Customized
8300ST5NDZ	Bi (99.999%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Cu	Pb	Zn	Fe	Ag	As
99.99%	≤ 10	≤ 10	≤ 5	≤ 10	≤ 40	≤ 5
99.999%	≤ 1	≤ 0.5	≤ 0.5	≤ 0.5	≤ 1	≤ 0.5

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.

6. Handling and Storage

Handle in a clean, dry environment, avoiding strong impact and contamination, and install them according to equipment requirements.

Store in sealed packaging in a dry, cool, dust-free environment, away from moisture and oxidizing substances.

Contact Us

Website: www.vimaterial.de

Email: info@vimaterial.de

Tel: 0049 1626484175

Add: Begener Straße 14., 30625 Hannover, Niedersachsen, Germany.