HALBLEITER MATERIAL

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Technical Data Sheet

Barium Titanate Sputtering Target

Product ID: **56220800ST001 - 56220800ST007**

Formular: $BaTiO_3$ **Molecular weight:** 233.19 g/mol

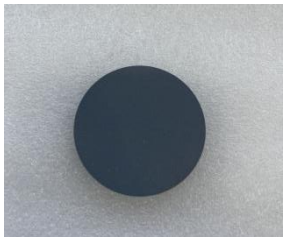
CAS No.: 12047-27-7 **EINECS No.:** 234-975-0

Color: Black

Description: Our barium titanate target has a typical purity of ≥99.9% and can be customized in different sizes as needed. It features excellent dielectric properties, a high dielectric constant, and good chemical stability.

Application: Electronic ceramics, capacitors, piezoelectric devices, thin-film electronic devices, and the semiconductor industry.

Product Image:



1. Sizes

Product ID	Formular	Size
56220800ST001	$BaTiO_3$ (99.9%)	Ø 25.4 mm x 3.175 mm
56220800ST002	$BaTiO_3$ (99.9%)	Ø 50.8 mm x 3.175 mm
56220800ST003	$BaTiO_3$ (99.9%)	Ø 76.2 mm x 3.175 mm
56220800ST004	$BaTiO_3$ (99.9%)	Ø 76.2 mm x 6.35 mm
56220800ST005	$BaTiO_3$ (99.9%)	Ø 101.6 mm x 3.175 mm
56220800ST006	$BaTiO_3$ (99.9%)	Ø 101.6 mm x 6.35 mm
56220800ST007	$BaTiO_3$ (99.9%)	Ø 203.2 mm x 6.35 mm
56220800STDZ	$BaTiO_3$ (99.9%)	Customized

2. Chemical compositions

	Metal impurities (ppm)						
Element / Typical Value / Purity	K	Na	Cu	Si	Zr	Sr	Fe
99.9%	≤ 100	≤ 20	≤ 20	≤ 250	≤ 350	≤ 150	≤ 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 protective gloves and safety goggles to avoid inhalation of dust or skin contact.

Stored in a dry, sealed environment to prevent moisture absorption and contact with acidic or corrosive substances.

Contact Us

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