HALBLEITER MATERIAL

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Technical Data Sheet

Ytterbium Metal Sputtering Target

Product ID:	**7000ST001 - 7000ST005**		
Formular:	Yb	**Molecular weight:**	173.04 g/mol
CAS No.:	7440-64-4	**EINECS No.:**	231-173-2
Color:	Silver gray		
Description:	Our ytterbium sputtering targets typically have a purity of ≥99.99% Yb/TREM, can be customized to various sizes upon request, and feature high purity, good electrical conductivity, and chemical reactivity.		
Application:	Electronics, optoelectronics, magnetic materials, and scientific research.		
Product Image:			

1. Sizes

Product ID	Formular	Particle Size
7000ST001	Yb (99.99% Yb/TREM)	Ø 50.8 mm x 3.175 mm
7000ST002	Yb (99.99% Yb/TREM)	Ø 76.2 mm x 3.175 mm
7000ST003	Yb (99.99% Yb/TREM)	Ø 76.2 mm x 6.35 mm
7000ST004	Yb (99.99% Yb/TREM)	Ø 101.6 mm x 6.35 mm
7000ST005	Yb (99.99% Yb/TREM)	Ø 203.2 mm x 6.35 mm
7000STDZ	Yb (99.99% Yb/TREM)	Customized

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2. Chemical compositions

	Chemical Compositions (ppm)			
Main Content	TREM ≥99%, Yb/TREM ≥99.99%			
RE Impurities (ppm)				
La_2O_3	CeO_2	Nd_2O_3	Sm_2O_3	Y_2O_3
≤ 25	≤ 10	≤ 15	≤ 20	≤ 20
Non-RE Impurities (ppm)				
Fe	Si	Al	Ca	Mg
≤ 35	≤ 55	≤ 20	≤ 100	≤ 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 appropriate protective equipment to avoid dust inhalation or contact and operate in a well-ventilated area.

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

Contact Us

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