HALBLEITER MATERIAL

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Technical Data Sheet

Lithium Niobium Oxide Sputtering Target

Product ID: **03410800ST001 - 03410800ST003**

Formula: $LiNbO_3$ **Molecular weight:** 147.85 g/mol

CAS No.: 12031-63-9 **EINECS No.:** 234-755-4

Color: Black

Description: $LiNbO_3$ sputtering targets offer excellent piezoelectric, ferroelectric, and electro-optical properties, along with good chemical stability.

Application: Used in optical coatings, surface acoustic wave (SAW) devices, piezoelectric sensors, optical waveguides, and electronic thin-film devices.

Product Image:



1. Sizes

Product ID	Formula	Dimensions
03410800ST001	$LiNbO_3$ (99.9%)	Ø 25.4 mm x 3.175 mm
03410800ST002	$LiNbO_3$ (99.9%)	Ø 50.8 mm x 6.35 mm
03410800ST003	$LiNbO_3$ (99.9%)	Ø 76.2 mm x 3.175 mm
03410800STDZ	$LiNbO_3$ (99.9%)	Customized

2. Chemical compositions

	Chemical Composition (ppm)							
Element / Typical Value / Purity	Na	Mg	Al	Si	K	Ca	Cr	Fe
99.9%	≤ 80	≤ 50	≤ 50	≤ 220	≤ 80	≤ 50	≤ 50	≤ 200

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.
Custom packaging is available.

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 the target carefully with clean gloves and appropriate protective equipment to prevent surface contamination, mechanical damage, and moisture exposure.

Store in a sealed, moisture-proof package in a cool, dry environment to maintain material purity and surface quality.

Contact Us

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