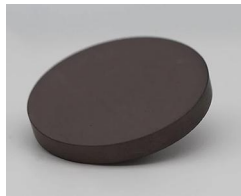


Technical Data Sheet

Niobium Carbide Sputtering Target

Product ID: 410600ST001 - 410600ST004
Formular: NbC **Molecular weight:** 104.92 g/mol
CAS No.: 12069-94-2 **EINECS No.:** 235-117-8
Color: Dark gray
Description: Our niobium carbide sputtering targets have a purity of ≥99.5%, can be customized to different sizes based on requirements, and offer excellent high-temperature stability, hardness, and electrical conductivity.
Application: High-temperature coatings, hard alloys, electronic devices, protective materials, etc.

Product Image:



1. Sizes

Product ID	Formular	Size
410600ST001	NbC (99.5%)	∅ 50.8 mm x 3.175 mm
410600ST002	NbC (99.5%)	∅ 76.2 mm x 6.35 mm
410600ST003	NbC (99.5%)	∅ 101.6 mm x 3.175 mm
410600ST004	NbC (99.5%)	∅ 203.2 mm x 6.35 mm
410600STDZ	NbC (99.5%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)						
	Ti	W	Mn	Mo	Cr	Ni	Fe
99.5%	≤ 200	≤ 680	≤ 150	≤ 400	≤ 200	≤ 200	≤ 1200

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 equipment, ensure proper ventilation, and avoid contact with strong acids or bases.

Store in a cool, dry, and well-ventilated area, away from moisture and high temperatures. Follow proper procedures for disposal and cleaning to maintain material integrity and safety.

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