

Technical Data Sheet

Titanium Aluminum Carbide Sputtering Target

Product ID: 22130600ST001 - 22130600ST003

Formula: Ti_3AlC_2

Molecular weight: 194.6 g/mol

CAS No.: 196506-01-1

EINECS No.: /

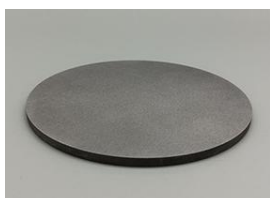
Color: Grey-black

Description: Ti_3AlC_2 sputtering targets offer excellent electrical conductivity, thermal stability, and machinability, making them suitable for high-performance thin-film deposition and advanced MAX-phase applications.

Application: Semiconductors, electronic devices, high-temperature coatings, conductive thin films, etc.

Product

Image:



1. Sizes

Product ID	Formula	Size
22130600ST001	Ti_3AlC_2 (99%)	Ø 25.4mm x 3.175mm
22130600ST002	Ti_3AlC_2 (99%)	Ø 50.8mm x 3.175mm
22130600ST003	Ti_3AlC_2 (99%)	Ø 50.8mm x 6.35mm
22130600STDZ	Ti_3AlC_2 (99%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (wt%)					
	Zn	Cu	Mg	Fe	Mn	Si
99%	≤0.02	≤0.03	≤0.1	≤0.15	≤0.1	≤0.1

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

Handle carefully to prevent mechanical damage, contamination, and surface scratches during installation and use.

Store in a clean, dry, and well-ventilated environment, protected from moisture, dust, and corrosive substances.

Contact Us

Website: www.vimaterial.de

Email: info@vimaterial.de

Tel: 0049 1626484175

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