

TiB₂

TITANIUM DIBORIDE SPUTTERING TARGET

TiB₂ is an extremely hard ceramic which has excellent heat conductivity, oxidation stability and resistance to mechanical erosion. TiB₂ is also a reasonable electrical conductor, so it can be used as a cathode material in aluminium smelting and can be shaped by electrical discharge machining. TiB₂ is very similar to titanium carbide, an important base material for cermets, and many of its properties (e.g. hardness, thermal conductivity, electrical conductivity and oxidation resistance) are superior to those of TiC.

Quick Facts

Product	:	Titanium Diboride Sputtering Target
Stock No	:	NS6130-10-1227
CAS	:	12045-63-5
Backing Plate	:	(As per Customer requirement)

Additional Characteristics

Stock No.	Purity	Diameter	Thickness
NS6130-10-1227	99.99%	50.8 mm ± 1mm	3 mm ± 0.5mm

Technical Specification

Molecular Formula	Molecular Weight	Melting Point
TiB ₂	69.489g/mol	2900°C



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 High Purity
SPUTTERING

TARGET