

SPECIFICATION

Titanium Diboride

Parameters	Specification
CAS Number	12045-63-5
Appearance	Gray-black powder with metallic luster
Molecular Formula	B ₂ Ti
Molecular Weight	69.49 g/mol
Boiling Point	3270 °C
Melting Point	3220 °C
Flash Point	5000 °C
Purity	98–99%
Refractive Index	2.70
Solubility	Insoluble in water; insoluble in most acids; insoluble in common solvents
Uses	Refractory ceramic material; wear-resistant coatings; cutting tools; armor and aerospace components

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