

Ti₂SnC | MAX Phase





Titanium
Tin Carbide
Powder

Catalogue no -

NS6130-12-001691

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NEXT 

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Ti₂SnC is one of the most attractive materials for its unique combinations of both metallic and ceramic properties high thermal and electrical conductivity, excellent thermal shock resistance, easy machinability, low hardness, high modulus elasticity, high fracture toughness, self-lubrication, high chemical resistance, and good thermal stability. Therefore, it is promising as a new generation of motor brush materials, heat exchanger materials, and various antifriction wear parts, chemical reactor mixer bearings, fan bearings, and special mechanical seals.

Quick Facts

Product	:	Titanium Tin Carbide
Stock No	:	NS6130-12-001691
CAS	:	1015077-01-6
Molecular Formula	:	Ti ₂ SnC
Molecular Weight	:	226.45g/mol
Form	:	Powder
Colour	:	Dark Gray to Black



Packing Sizes:

25Gms, 50Gms, 100Gms
500Gms & Bulk Orders

Properties:

- ✓ Excellent high-temperature stiffness
- ✓ Easy machinability
- ✓ Low hardness
- ✓ High modulus elasticity
- ✓ High fracture toughness
- ✓ Self-lubrication
- ✓ High chemical resistance
- ✓ Good thermal stability

Applications:

- ✓ Jet engines and aircraft
- ✓ Used in high temperature coating
- ✓ Mxene precursor
- ✓ Motor brush materials
- ✓ Heat exchanger materials

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