

Ta_4AlC_3 | MAX Phase







Tantalum Aluminium Carbide Powder

Catalogue no -

NS6130-12-001690

Follow us:

    | www.nanoshel.com | sales@nanoshel.com



Tantalum

Aluminium Carbide Powder

Ta₄AlC₃ | MAX Phase
Catalogue no - **NS6130-12-001690**

Ta₄AlC₃, a new member of the Mn+1AX_n, or MAX, phases (where M is an early transition metal, A is an A-group element, and X is C and/or N and n = 1–3) have attracted considerable attention because they possess an unusual combination of both metallic and ceramic properties. The MAX phases crystallize in the hexagonal system, and exhibit compound-specific hybrid ceramic/metallic properties, such as refractoriness, oxidation/corrosion resistance, damage tolerance, machinability, electrical/thermal conductivity, etc.

Quick Facts

Product	:	Tantalum Aluminium Carbide
Stock No	:	NS6130-12-001690
CAS	:	1019635-34-7
Molecular Formula	:	Ta ₄ AlC ₃
Molecular Weight	:	786.81g/mol
Form	:	Powder
Colour	:	Dark Gray to Black



Packing Sizes:

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

Properties:

- ✓ High Melting Point
- ✓ Refractoriness
- ✓ Oxidation/Corrosion Resistance
- ✓ Damage Tolerance
- ✓ Machinability
- ✓ Electrical/Thermal Conductivity

Applications:

- ✓ Energy Storage, Catalysis
- ✓ Microelectronics, Sensors
- ✓ Super capacitor
- ✓ Electrochemical Catalysis
- ✓ Lithium-Ion Battery
- ✓ High Temperature Coating
- ✓ Self Lubricating Ceramic

INTELLIGENT MATERIALS PVT LTD

Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED

Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

NANOSHEL LLC

3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911



20ZICE4588C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

Follow us:

[f](#) [@](#) [t](#) [in](#) | www.nanoshel.com | sales@nanoshel.com

