NANOSHEL
Creating Miracles in Black

Mo_3AlC_2 | MAX Phase

Molybdenum Aluminium Carbide Powder

Catalogue no -

NS6130-12-001454

NEXT

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Max phase is new type of conductive ceramic material which is widely concerned. Mo3AlC2 is a member of vdW MAX layered material system. Similar to graphite and MoS2, the MAX phases are layered and have the general formula: Mn+1AXn, (MAX) where n = 1 to 3, M is an early transition metal, A is a non-metal elements and X is either carbon and/or nitrogen. In this particular case, M=Mo, A=Al, and X=C with n=2. Molybdenum aluminum carbide (Mo3AlC2) powder has high strength and elastic modulus, high thermal conductivity and electrical conductivity, and good workability. Mo3AlC2 widely used in Max special ceramic materials, electronic materials, high temperature structural materials, electrode brush materials, chemical anti-corrosion materials and high temperature heating materials.

Quick Facts

Product	:	Molybdenum aluminum carbide powder
Stock No	:	NS6130-12-001454
Molecular Formula	:	Mo3AlC2
Molecular Weight	:	338.82g/mol
Form	:	Powder
Colour	:	Grey to Black

Properties:

- ✓ Oxidation resistance
- ✓ High conductivity
- ✓ High temperature resistance
- ✓ Corrosion resistance

Applications:

- ✓ Energy storage catalysis
- ✓ High temperature coating
- ✓ Conductive self lubricating ceramic
- ✓ Lithium-ion battery
- ✓ Super capacitor
- ✓ Electrochemical catalysis

Packing Sizes:

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

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