

Ni_3AlC_2 | MAX Phase







Nickel Aluminium Carbide Powder

Catalogue no -

NS6130-12-001538

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The study shows the results of investigations of the tribiological properties of cast Ni3Al/C composite and compares them with the properties of pure inter metallic phases of the Ni3Al type. The term "MAX phase" refers to a very interesting and important class of layered ternary transition-metal carbides and nitrides with a novel combination of both metal and ceramic-like properties that have made these materials highly regarded candidates for numerous technological and engineering applications.

Quick Facts

Product	:	Nickel Aluminium Carbide Powder
Stock No	:	NS6130-12-001538
Molecular Formula	:	Ni3AlC2
Molecular Weight	:	227.0831g/mol
Form	:	Powder
Colour	:	Gray to Dark Gray



Packing Sizes:

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



Properties:

- ✓ High temperatures
- ✓ Tribiological properties
- ✓ Lubricating properties
- ✓ Corrosion resistance

Applications:

- ✓ Abrasive wear resistance
- ✓ Energy conserving coatings
- ✓ Anti-static coatings
- ✓ Mxene precursor
- ✓ Conductive self lubricating ceramic
- ✓ Lithium-ion battery

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