

# Nickel Aluminium

## Alloys Powder

An alloy is a mixture of chemical elements of which at least one is a metal. Unlike chemical compounds with metallic bases, an alloy will retain all the properties of a metal in the resulting material, such as electrical conductivity, ductility, opacity, and luster, but may have properties that differ from those of the pure metals, such as increased strength or hardness.

Nickel aluminide typically refers to the one of the two most widely used compounds, Ni<sub>3</sub>Al or NiAl. NiAl displays excellent properties such as low-density (lower than that of Ni<sub>3</sub>Al), good thermal conductivity, oxidation resistance and high melting temperature. Nickel Aluminium Alloy high temperature applications like coatings on blades in gas turbines and jet engines.

Formula  
**Ni:Al**

Stock No:

**NS6130-12-001127**



Purity  
**99%**

CAS : 12635-29-9

Form : Powder

APS:  
**-325mesh**



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