

# Nickel Titanium

## 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.

**Stock No:**  
**NS6130-05-590**



**Formula**  
**NiTi**

Nickel titanium, also known as Nitinol, is a metal alloy of nickel and titanium. (Ti-Ni) alloys are widely used as the more practical shape memory or superelastic alloys due to their excellence of shape recoverability, durability and corrosion resistance. Ti-Ni alloys also exhibit excellent workability compared with other shape memory.

- Used in medical applications
- Used for aerospace and naval application
- Used for safety devices
- Used for dentistry

**CAS** : 7440-02-0/7440-32-6

**Form** : Powder



**Purity**  
**99%**

**APS:**  
**40-50µm**



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