

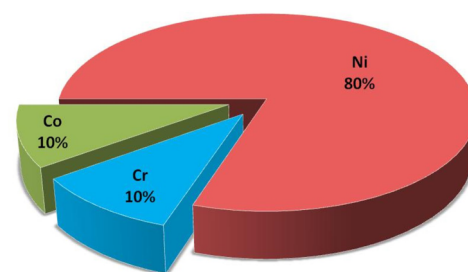


Alloy

Nickel Chromium Cobalt

NANOPARTICLES

Nickel Chromium Cobalt Alloy Nanopowder



Composition Chart

Ni:Cr:Co

Stock No:

NS6130-07-712

CAS	:	7440-02-0 / 7440-47-3 / 7440-48-4
Purity	:	99.9%
APS	:	<80nm
Form	:	Powder

Technical Specification

Molecular Formula	:	Ni:Cr:Co
Density	:	8.18g/cm ³
Melting Point	:	1370°C

Chemical Composition

Assay	:	99.9%
Ni	:	80%
Cr	:	10%
Co	:	10%

The nickel chromium alloy is often used for wrought and cast parts for high temperature applications, as it has better oxidation and hot corrosion resistance compared to cheaper iron-nickel-chromium alloys. This nickel chromium alloy is highly suited to applications that are subject to oxidation. In applications where fuel ashes, deposits such as alkali metal salts such as sulphates are encountered, higher chromium content alloys are more suitable. This is because fuel ashes react with the oxide scale. Ashes containing vanadium are particularly aggressive in the respect and have a fluxing effect on the scale, increasing the susceptibility of the alloy to attack by oxidation

Application:

- ✓ Resistance welding electrodes
- ✓ Cable connectors
- ✓ Circuit breaker parts
- ✓ Spot welding tips

ISO 9001:2015
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