

## PRODUCT DATASHEET

# ALLOY 600

### Grade

Alloy 600, UNS N06600, WN 2.4816, BS NA14, ASTM B166, B564

### Type

Nickel-base high temperature alloy. Can be supplied cold drawn/annealed, hot rolled/annealed or solution annealed.

Composition	
Element	Weight%
Carbon	0.15 max
Silicon	0.5 max
Manganese	1 max
Sulphur	0.015 max
Chromium	14 - 17
Nickel	72 min
Manganese	1 max
Copper	0.5 max

### Application

Heat treating muffles and retorts, condensers and evaporation tubes, vacuum furnace fixtures, exhaust liners for aircraft, chemical and food processing, chlorination equipment and parts for titanium dioxide plants.

### Mechanical Properties

Typical properties below for annealed condition

Property	Values
0.2% Yield Strength	30 KSI min (207 MPA min)
Ultimate Tensile Strength	80 KSI min (552 MPA min)
Elongation	30
Hardness	195 HBW max

Notes: Virtually immune to chloride ion stress corrosion cracking. Good caustic corrosion resistance. Has proven oxidation and carburisation resistance. Suitable for both cryogenic and high temperature use.