

INCONEL 625

UNS N06625

Characteristics.

- Known in the industry as Alloy 625.
- Nickel alloy with niobium and molybdenum addition, corrosion resistant and oxidation.
- High strength and very good resistance to aqueous corrosion. Easy to weld.
- Resistant pitting and crevice corrosion, also very resistant to stress corrosion cracking of chloride ions.
- It is not magnetic.
- It can be forged or hot working at a temperature that is maintained between a range of 1800°F to 2150 °F.
- It may also worked cold due to its good ductility.
- EYE: work it hardens quickly, so you need an annealing treatment for the formation or manufacture of complex components.
- It is used in the marine industry, chemical process equipment in pollution control equipment, nuclear reactors, exhaust systems of aircraft engines, aircraft piping systems, etc.

Shape or Presentation

- Print
- Plate
- Bar
- Tube
- Tubing
- Wire

Chemical Composition %

Cr	Ni	Mo	Co + Nb	Ta	Al	Ti
20.00 – 30.00	Balance	8.0 – 10.0	1.0 max	3.15 – 4.15	0.40 max	0.40 max
C	Fe	Mn	Si	P	S	
0.10 max	5.0 max	0.50 max	0.50 max	0.015 max	0.015 max	

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