

INCONEL 617

UNS 06617

Characteristics.

- Known in the industry as Alloy 617.
- It is a solid solution strengthened nickel-chromium-cobalt-molybdenum.
- It has a unique combination of high temperature strength (1800 ° F higher than – 980 ° C) and oxidation resistance.
- Excellent resistance to a wide range of corrosive environments.
- Is easily formed. Accommodates welded by conventional techniques.
- Used in power plants, in ducts, in heat treatment equipment, aircraft coatings and gas turbines in the nuclear industry, etc.

Shape or Presentation

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

Chemical Composition %

Cr	Ni	Mo	Co	Cu	Al	Ti
20.00 – 24.00	44.5 min	8.0 – 10.0	10.0 – 15.0	0.5 max	0.08 – 1.5	0.6 max
C	Fe	Mn	Si	B	S	
0.5 – 0.15	3.0 max	1.0 max	1.0 max	0.006 max	0.015 max	

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