

# INCONEL<sup>MR</sup> 718

## UNS N07718

### Characteristics.

- ✓ Other common names are: Alloy 718, 718 HaynesMR, NicroferMR5219, AllvacMR718, AtempMR718.
- ✓ Alloy nickel-chromium-molybdenum, niobium added.
- ✓ Resists a wide range of corrosive environments, pitting and crevice corrosion.
- ✓ High yield strength, and creep-rupture stress at high temperatures.
- ✓ Good mechanical properties and voltage.
- ✓ Aqueous corrosion resistant and stress cracking corrosion caused by chloride ion.
- ✓ Easily it can be manufactured and welded.
- ✓ Used in a variety of industries such as marine, aerospace, nuclear, chemical processes, cryogenic storage tanks, valves, screws, etc.

### Form or Presentation.

- ✓ Print
- ✓ Plate
- ✓ Bar
- ✓ Wire

### Chemical Composition, %

Ni	Fe	Cr	Cu	Mo	Nb	C	Mn
50.00-55.00	Balance	17.00-21.00	0.30 max	2.80-3.30	4.75-5.50	0.08 max	0.35 max
P	S	Si	Ti	Al	Co	B	
0.015 max	0.015 max	0.35 max	0.65-1.15	0.20-0.80	1.00 max	0.006 max	



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