



ToLand Alloy-Specialty Alloy Quality Approved Vendor

718 Technical Data

INCONEL® Alloy 718-Nickel Alloy-UNS N07718-2.4668

Nickel-chromium-molybdenum alloy 718 has exceptional strength under 1202 °F .

Commonly being delivered in solution or age hardened condition.

Remarkable corrosion resistance.

General Property:

Density:

Common-8.193 g/cm³

API-8.221 g/cm³

Melting Range:

Common-1321-1393°C

API-1182-1338°C

INC718 served under 1202 °F for long duration.It's worth noting that 718-API 6A combines high resistance to chloride and sulphide stress corrosion cracking

Chemical Composition:

	Ni	Fe	Mn	C	Si	S	Cr	Al	Ti	Nb+Ta	Mo	P	Co	B	Cu
Min	50	Bal					17	0.2	0.65	4.75	2.8				
Max	55		0.35	0.08	0.35	0.02	21	0.8	1.15	5.5	3.3	0.02	1	0.006	0.3

Specifications:

AMS5662, AMS5663, ASTM B637, API 6A-120K-140K-150K

Applications:

Engine parts for aerocrafts,gas turbines

Turbine blades

Pumps

High temperature bolts,fasteners, flanges, springs

Reactors for energy generation and chemical process

Wellhead completion equipment

Blowout preventers (BOPs)

Hangers

Please turn to our sales to request the Material Test Report (MTR) for your reference.

Overseas Business: zhanglu@toland-alloy.com