

Inconel 718(UNS N07718)

Specifications

Item	Chemical Composition (%)							
	C	Mn	Si	S	Cr	Ni	Fe	Cu
Inconel 600	≤0.15	≤1.0	≤0.5	≤0.015	14.0~17.0	≥72.0	6.0~10.0	≤0.5
	Standard							
	Sheet/Plate		Round bar/Wire		Pipe		Tube	
	ASME SB-168 AMS 5540		ASME SB-166 AMS 5665		ASME SB-163 ASME SB-167 ASME SB-751 ASME SB-775 AMS 5580		ASME SB-516 ASME SB-517 ASME SB-751 ASME SB-775	

Properties

Inconel 718(UNS N07718) is a precipitation-harden able, nickel-chromium alloy containing also significant amounts of iron, niobium and molybdenum, along with lesser amounts of aluminum and titanium.

Application

Inconel 718(UNS N07718) is widely used in gas turbines, rocket motors, space-craft, nuclear reactors, pumps and tooling.