

Alloys Name		INCONEL718	
UNS Number	N07718	Density(g/cm <sup>3</sup> )	8,19
<b>Chemical Composition(%)</b>	Aluminum	0.2 - 0.8	
	Boron	0.006 max	
	Carbon	0.08 max	
	Chromium	17 - 21	
	Cobalt	1 max	
	Copper	0.3 max	
	Iron	Balance	
	Manganese	0.35 max	
	Molybdenum	2.8 - 3.3	
	Nickel	50 - 55	
	Niobium	4.75 - 5.5	
	Phosphorus	0.015 max	
	Silicon	0.35 max	
	Sulphur	0.015 max	
Titanium	0.65 - 1.15		
<b>Mechanical Property(Normal Temperature)</b>			
Condition	Tensile Strength 100psi(Mpa)	Yield Strength 100psi(Mpa)	Hardness Brinell (Rockwell)
AGED	196(1350)	171(1180)	382
<b>Specification</b>	Altemp 718(tm)		
	HAYNES(r) 718 alloy		
	Microfer 5219 Nb(tm)		
	Pyromet Alloy 718(tm)		
	Pyrotool Alloy 7(tm)		
	Udimet 718(tm)		
	Allvac 718(tm)		
	HAYNES(r) 718 alloy(tm)		
	Pyromet 718(tm)		
	AMS 5589		
	AMS 5590		
	AMS 5596		
	AMS 5597		
	AMS 5662		
	AMS 5663		
	AMS 5664		
	AMS 5832		
	ASTM B637		
	ASTM B670		
	DIN 2.4668		
	DIN 2.4688		
	GE B14H89		
	GE B50 TF14		
GE B50 TF69			
GE B50TF14			
GE B50TF15			
PWA 1009			
PWA 1010			
PWA 1033			
RBO 170-153			
SPS M275			
SPS M637			
UNS N07718			