

Alloys Name		INCONEL X-750	
UNS Number	N07750	Density(g/cm³)	8,28
Chemical Composition(%)	Aluminum 0.4 - 1 Carbon 0.08 max Chromium 14 - 17 Copper 0.5 max Iron 5 - 9 Manganese 1 max Nickel Balance Niobium 0.7 - 1.2 Silicon 0.5 max Sulphur 0.01 min Titanium 2.25 - 2.75		
Mechanical Property(Normal Temperature)			
Condition	Tensile Strength 100psi(Mpa)	Yield Strength 100psi(Mpa)	Hardness Brinell (Rockwell)
AGED	162-193(1120-1330)	115-142(790-980)	300-390
Specification	Nicrofer 7016 TiNb(tm) Pyromet Alloy X-750(tm) Udimet X750(tm) HAYNES(r) X-750 alloy Nickelvac X-750(tm) HAYNES(r) X-750 alloy(tm) Pyromet X-750(tm) AISI 688 AMS 5542 AMS 5582 AMS 5583 AMS 5598 AMS 5667 AMS 5668 AMS 5669 AMS 5670 AMS 5671 AMS 5698 AMS 5699 AMS 5747 ASTM B637 DIN 2.4669 DIN 2.4699 GE B50TF1232 GE B50YP44 MIL N-24114 MIL N-7786 MIL S-23192 UNS N07750		
Description/Applications	* Age hardenable alloy with good corrosion and oxidation resistance up to 1300°F. * Excellent properties down to cryogenic temperatures. * Used for high temperature applications where strength and corrosion resistance are important.		