

Alloys Name		INCONEL601	
UNS Number	N06601	Density(g/cm <sup>3</sup> )	8,11
<b>Chemical Composition(%)</b>	Aluminum	1 - 1.7	
	Carbon	0.1 max	
	Chromium	21 - 25	
	Copper	1 max	
	Iron	Balance	
	Manganese	1 max	
	Nickel	58 - 63	
	Silicon	0.5 max	
	Sulphur	0.015 max	
<b>Mechanical Property(Normal Temperature)</b>			
Condition	Tensile Strength 100psi(Mpa)	Yield Strength 100psi(Mpa)	Hardness Brinell (Rockwell)
Annealed	80-115(550-790)	30-60(210-340)	110-150
<b>Specification</b>	Pyromet Alloy 601(tm) Nicrofer 6023(tm) Ferrochronin 601(tm) Pyromet 601(tm) AMS 5715 AMS 5870 ASTM B166 ASTM B167 ASTM B168 DIN 2.4851 UNS N06601		
<b>Description/Applications</b>	* Excellent high-temperature properties, * Resistant to oxidizing and carburizing atmospheres, * Heat exchangers, thermocouple tubes, aircraft engine components,		