

Inconel 600 is resistant to corrosion by many organic and inorganic compounds and also makes it virtually immune to chloride-ion stress-corrosion cracking. Alloy 600 is used extensively in the chemical industry for its strength and corrosion resistance. Applications include heaters, stills, bubble towers, and condensers for processing of fatty acids and so on.

Inconel 600 Specifications

Grade	UNS	W.Nr
Alloy 600	N06600	2.4816

Inconel 600 Chemical Composition

Grade	%	Ni	Cr	Fe	C	Mn	Si	Cu	P	S
Alloy 600	Min	72	14	6						
	Max		17	10	0.15	1	0.5	0.5	0.015	0.015

Inconel 600 Mechanical properties: (Minimum value at 20°C)

Tensile Strength σ_b /MPa	Yield Strength $\sigma_{p0.2}$ /MPa	Elongation σ_5 /%
≥ 585	≥ 240	≥ 30

Inconel 600 Standards

Bar/Rod	Forging	Sheet/Strip	Wire	Pipe/Tube
ASTM B166	ASTM B366	ASTM B168	ASTM B166	ASTM B167 ASTM B163 ASTM B516 ASTM B517

Inconel 600 Size Range

- Wire: Dia 0.08-12mm
- Bar: Dia 1.0-300mm
- Strip(Coil): 0.2-20mm TCK x 10-300mm W
- Sheet: min.0.7mm TCK x 1200mm W max.
- Tube & Forging & Machine Parts: customized
- Welding wire: 0.8mm, 1.0mm, 1.2mm, 2.0mm, 2.4mm, 3.2mm, 3.8mm, 4.0mm etc
- Welding Strip: 0.4-0.7mm TCK x 25-60mm W