

INCONEL® ALLOY 600

Common Names			
Inconel 6000	Alloy 600	UNS N06600	2.4816

Chemical Composition, %

Ni + Co	Cr	Fe	C	Mn	S	Si	Cu
72.0 min	14.0-17.0	6.0-10.0	.15 max	1.00 max	.015 max	.50 max	.50 max

ASTM Specifications

Pipe Smls	Pipe Welded	Tube Smls	Tube Welded	Sheet/Plate	Bar	Forging	Fitting
B167	B517	B163	B516	B168	B166	B564	B366

Mechanical Properties

Typical room temperature Tensile Properties of Annealed Material

Product Form	Condition	Tensile (ksi)	.2% Yield (ksi)	Elongation (%)	Hardness (HRB)
Rod & Bar	Cold-Drawn	80-100	25-50	35-55	65-85
Rod & Bar	Hot-Finished	80-100	30-50	35-55	65-85
Tube & Pipe	Hot-Finished	75-100	25-50	35*55	-
Tube & Pipe	Cold-Drawn	80-100	25-50	35-55	88 Max
Plate	Hot-Rolled	80-105	30-50	35-55	65-85
Sheet	Cold-Drawn	80-100	30-45	35-55	88 Max

In what form is Inconel 600 Available?

- Sheet
- Plate
- Bar
- Pipe & Tube (welded & seamless)
- Fittings
- Wire

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Steel Pipe Tube



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Steel Plate



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Forgings



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Fastener



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BW Fittings

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Steel Flange



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SW Fittings



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Threaded Fittings

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