



Inconel 600-UNS N06600

Henan Sheng He Pipe Industry Co., Ltd., have an experience spanning for over ten years, producing and supplying best-in-class products, minimize cost by getting manufacturing processes under one roof and delivering consignments on a daily basis only because of a diligent and dedicated team. We are manufacturers, suppliers and exporters of Inconel 600 material.

Common Trade Names: Inconel 600, Nickelvac 600, Ferrochronin 600

Inconel 600 is a standard engineering material that has great resistance to heat and corrosion. Inconel 600 features superior strength and can be easily formed. It can also be hardened and strengthened through cold work. Inconel 600 is non-magnetic and is resistant to a wide range of corrosive materials.

Inconel 600 Available Formats

Sheng He Pipe Industry offers Inconel 600 in a variety of forms, including:

- Pipe & Welded pipe
- Pipe fittings
- Seamless tube & Welded tube
- Flanges
- Bar
- Sheet
- Wire
- Plate
- forgings
- Weld Rod

Inconel 600 sheet is available in thicknesses ranging from .016 to .156". Inconel 600 strip in coil form is available in lighter gauges up 24" wide. Inconel 600 plate is available up 3" thick.

Inconel 600 bar is available in wrought bar up to 9" diameter and larger sizes



and shapes may be forged to order.

Inconel 600 seamless pipe is available up to 8" NB. Larger sizes are available in welded construction (100% X-ray) and can also be fabricated to order. Inconel 600 tubing (welded & seamless) is available up 3". Inconel 600 redrawn tubes and tubing with tight tolerances can be supplied in almost any size no matter how small the size or quantity.

Butt-weld and forged fittings are available or can be manufactured with short lead times.

Available forms of Inconel 600 are seamless pipe, welded pipe, seamless tube, welded tube, bar, wire, sheet, plate, forgings, pipe fittings and flanges.

ASTM Specifications

ASTM (American Society for Testing and Materials) for various products made out of Inconel 600 are as follow

Pipe Seamle ss	Pipe Welde d	Tube Seamle ss	Tube Welde d	Sheet/Pla te	Bar	Forgin g	Fittin g	Wir e
B167	B517	B163	B515	B168	B16 6	B564	B366	—

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



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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