

# Up To 1100°C High Temperature Industrial Alloy Material Nickel Alloy 600 Inconel 600 Pipe

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# Basic Information

<ul> <li>Place of Origin:</li> </ul>	China	VK.
Brand Name:	Victory	V#/\
Certification:	ISO9001 ROHS	
Model Number:	Inconel 600	
Minimum Order Quantity:	30 Kg	
Price:	Negotiable	
Packaging Details:	Inconel 600 rod packed in Spool Carton box, Coil package with polybag,then in woodencase	23
Delivery Time:	20~40 Days	
<ul> <li>Payment Terms:</li> </ul>	L/C, T/T, Western Union, MoneyGram	
<ul> <li>Supply Ability:</li> </ul>	300 tons per month	

## Product Specification

• Name: Up To 1100°C High Temperature Industrial Alloy Material Nickel Alloy 600 Inconel 600 Pipe Material: Nickel Chromium Iron 72% • Ni (Min): • Density: 8.47 G/cm3 1,370-1,425°C Melting Point: 30 % Elongation (≥ %): • Thermal Conductivity: 15.9 W/m·K • Finishing: Bright,Oxided Application: Construction, Industry Oil, Piping Systems • Yield Strength: 240 MPa • Tensile Strength: 550 MPa • Hardness: ≤ 160 HB • Standard: ASTM, ASME 0:---· · · · · · · ·



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## More Images



#### **Product Description**

## The standard of inconel 600 tube

Chemical Composition: ASTM B166 - Standard Specification for Nickel-Chromium-Iron Alloys (UNS N06600, NiCr15Fe, Alloy 600) and Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617, NiCr22Co12Mo) Seamless Pipe and Tube Mechanical Properties: for more products please visit us on victory-alloy.com

ASTM B163 - Stand	lard Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes
Mechanical Proper	
Tensile Strength: 58	
Yield Strength: 275	
Elongation: 30% mir	n
	600 tubing may also be manufactured and supplied according to other industry specifications, such as:
	amless Nickel and Nickel Alloy Condenser and Heat Exchanger Tubes
NACE MR0175 / ISO	O 15156 - Materials for use in H2S-containing environments in oil and gas production
Is Inconel stro	nger than stainless steel?
	el alloys tend to be stronger than stainless steel alloys.
Tensile Strength:	
	e Inconel 600 and Inconel 718 have higher ultimate tensile strengths compared to common stainless steel
grades like 304 or	
•	onel 718 can have an ultimate tensile strength of around 1,500 MPa, while 304 stainless steel is around 50
MPa.	
Yield Strength:	
0	o exhibit higher yield strengths than many stainless steels.
	a yield strength of around 1,035 MPa, while 304 stainless steel is around 215 MPa.
High Temperature	5
	intain their strength better than stainless steels at elevated temperatures, making them suitable for high-
temperature appli	cations.
Corrosion Resista	ance.
	eels have good corrosion resistance, Inconel alloys can offer even better resistance to corrosion in harsh
environments.	
The production	n process of inconel 600 tube
The production Melting and Case	n process of inconel 600 tube ting:
The production Melting and Cast Inconel 600 is pr	n process of inconel 600 tube ting: roduced by melting the raw materials, which include nickel, chromium, iron, and small amounts of o
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## Parameter:

Chemical Properties of Inconel 600

С	Cr	Ni+Co	AI	Ti	Fe	Nb+ Ta	Mn	Si		Р	S
≤0.15	14.0 17.0	≥72	≤0.35	≤0.50	6.0 10.0	≤1.0	≤1.0	≤0.5	≤0	0.04	≤0.015

	θ/°C					
ITEM		σb/MPa	σP0.2/MP a	δ5/%	φ/%	HBS
BAR/ROD	20	≥585	≥240	≥30	-	134 217
RING	20	≥520	≥205	≥35	-	≥187
HOT ROLL PLATE	20	≥550	≥240	≥35	≥40	-
HOT NOEL PEATE	900	≥95	≥45	≥40	≥50	-
COLD ROLLED SHEET	20	≥550	≥240	≥30	-	-
COED NOELED SHEET	900	≥90	≥40	≥60	-	-
COLD ROLLED SHEET	20	≥550	≥200	≥30	-	-
STRIP	20	≥550	≥240	≥30	-	-
WIRE	20				-	HV≤151

Shape	Size(mm)
WIre	0.5-7.5
Rod/Bar	8.0-200
Strip	(0.5-2.5)*(5-180)
Tube	custom made
Plate	custom made

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