



High Temperature Resistance Alloy Nickel 625 600 601 Inconel Welding Coil Wire Rod

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: ISO 9001
- Model Number: Nimonic 75
- Minimum Order Quantity: 15
- Packaging Details: Spool package with Carton box, Coil package with polybag
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month

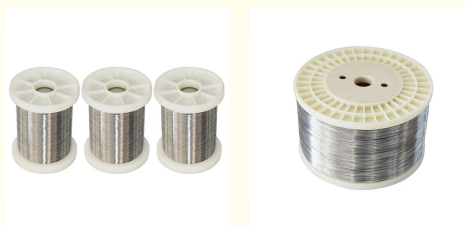


Product Specification

- Product Name: Nimonic 80A
- Material: Nickel Chromium
- Density: 8.37g/cm³
- Melting Point: 1380°C
- Coefficient Of Expansion: 11.0 μm/m °C (20 – 100°C)
- Annealed: 700 – 800N/mm²
- Spring Temper: 1200 – 1500N/mm²
- Highlight: **Nimonic 80A High Temperature Alloy, High Temperature Alloy Age Hardenable, Nimonic 80A**



More Images



Product Description

High Temperature Alloy Nimonic80A Wire For Manufacture Of Bolts

Nimonic80A High Temperature Nickel Alloy

Alloy 80A (Nimonic alloy 80A) is a wrought, age-hardenable nickel-chromium alloy. Alloy 80A is similar to alloy 75 but made precipitation hardenable by additions of aluminium and titanium. Alloy 80A has good corrosion and oxidation resistance and high tensile and creep-rupture properties at temperatures to 815°C (1500°F). Vacuum refined versions are also available. Alloy 80A is used for gas-turbine components (blades, rings, discs), bolts, tube supports in nuclear generators, exhaust valves in internal combustion engines and has many other offshore/marine, automotive and electrical applications.

Application: Ships, tanks with diesel exhaust valve mainly made of wrought Nimonic 80A. Nimonic 80A has high heat resistance, high strength at high temperatures, deformation resistance, increasing the difficulty of forging suitable for the

Our Product Introduction

manufacture of bolts, combustion chamber exhaust valve.

Alloy 80A Rod, Bar, Wire and Forging Stock	BS 3076 HR1, ASTM B 637, AECMA PrEn2188, AECMA PrEn2189, AECMA PrEn 2190, AECMA PrEn2397, AIR 9165-37
Alloy 80A Plate, Sheet and Strip	BS HR 201, AECMA PrEn2191
Alloy 80A Pipe and Tube	BS HR 401
Alloy 80A Other	BS HR 601, BS HR1, DIN 17742, AFNOR NC 20TA, UNS N07080, Werkstoff Nr 2.4952, Werkstoff Nr NIMONIC 80a (trademark), MSRR 7095 and MSRR 7011, MSRR 7013, HR201, HR401, HR601, NA20

Nimonic 80A Chemical Composition

Grade	%	Ni	Cr	Fe	Mn	Si	P	S	Al	Ti	C	Co	B
Nimonic 80A	Min.	Bal.	18						1.0	1.8			
Max.	21	3.0	1.0	1.0	0.02	0.015	1.8	2.7	0.1	2.0	0.008	0.15	0.2

Physical properties

- > Density (g/cm3): 8.19
- > Melting point (°C): 1320~1365

Mechanical properties

		Yield Strength (Mpa)	Tensile Strength (Mpa)	Elongation (%)
Nimonic 80A	Solution treatment	620	930	≤20

20+ Years Production Experience

Annual sales of 12000 tons

40000+ product specifications in stock

30+salesmens 24h quote you online



WELCOME TO VISIT US CHANGZHOU DLX ALLOY CO, LTD

CHANGZHOU DLX ALLOY CO, LTD was established in 2002 and has got Iso9001 International Quality Management System Certificate and SGS Certificate. Our factory is professional in researching and producing special alloy material. From melting, drawing, heat treatment, finishing and testing. We offer nickel-based, copper-based, and iron-based alloys, including super alloy, welding materials, anti-corrosion alloy, precision alloy, FeCrAl alloy, NiCr alloy, CuNi alloy, thermocouple and etc, in the form of wire, strip, ribbon, bar, tube, plate.

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Changzhou Victory Technology Co., Ltd



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

NO.32 West Taihu Road, Xinbei District, Changzhou, Jiangsu