



Heat Treatment Equipment Incoloy 800H Wire ASTM B408 With Excellent Mechanical Properties

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: Incoloy 800H
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- Packaging Details: Plastic film or waterproof woven bag inside, wire packed in spool put into carton,coil wire or strip wire put into wooden case
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Name: Incoloy 800H Wire
- Material: Ni Cr Fe
- Nickel(Min): 30%
- Application: Stoves And Furnace Tubes, Heat Treatment Coils, Heat Treatment Fixtures
- Density (g/m3): 7.94 G/cm3
- Melting Point: 1350-1400 °C
- Elongation (≥ %): 30%
- Tensile Strength: 600 MPa
- Yield Strength: 260 MPa
- Surface: Bright Color, Acid White, Oxidized Color
- Highlight: Incoloy 800H Wire,
ASTM B408 Nickel Baesd Wire,
72% Nickel Incoloy 800H Wire



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Product Description

Introduction:

Incoloy 800H Wire is a nickel-chromium-iron alloy wire with excellent thermal and mechanical properties. Its nickel content is as low as 30%, its density is 7.94 g/cm³, and it has a higher melting point range between 1350-1400 degrees Celsius.

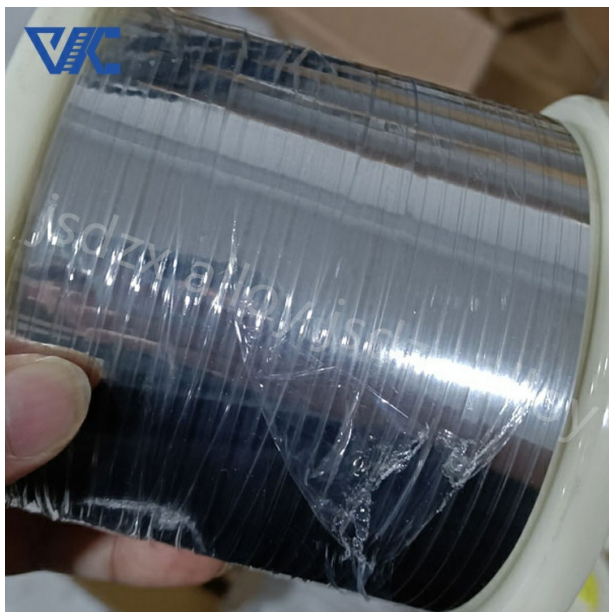
Incoloy 800H Wire has excellent elongation of more than 30%, tensile strength of 600 MPa, and yield strength of 260 MPa. This allows it to withstand high stresses and pressures while possessing a certain capacity for plastic deformation. The alloy wire also has good corrosion resistance and thermal stability, which can maintain the stability and strength of the structure in high temperature environments and resist oxidation and corrosion.

Incoloy 800H Wire is a high performance alloy wire suitable for applications such as furnaces and furnace tubes, heat treatment coils and heat treatment fixtures. It has excellent mechanical properties, corrosion resistance and thermal stability, making it an ideal choice for many industrial fields.

Parameter:

Incoloy	Ni	Cr	Fe	C	Mn	S	Si	Cu	Al	Ti
800H	30.0-35.0	19.0-23.0	39.5min	0.10max.	1.50max.	0.015max.	1.0max.	0.75max.	0.15-0.60	0.15-0.60

AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 5766 Bar	Incoloy 800H	Nickel	N08810	-	Bar
AMS 5766 Custom Tube	Incoloy 800H	Nickel	N08810	-	Custom Tube
AMS 5871 Plate	Incoloy 800H	Nickel	N08810	-	Plate
AMS 5871 Sheet	Incoloy 800H	Nickel	N08810	-	Sheet
AMS 5871 Strip	Incoloy 800H	Nickel	N08810	-	Strip



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

Characteristic:

Incoloy 800H alloy wire has the following characteristics in heat treatment equipment:

High temperature tolerance: Incoloy 800H alloy wire can withstand long-term operation in high temperature environments and has excellent high temperature stability.

Oxidation resistance: This alloy wire has excellent antioxidant properties and can resist oxidative damage caused by high-temperature oxidation and thermal cycles.

Corrosion resistance: Incoloy 800H alloy wire shows good corrosion resistance in high temperatures and corrosive environments, and can resist the erosion of acidic and alkaline media.

Advantage:

Incoloy 800H alloy wire has the following advantages in heat treatment equipment:

Long life: Due to its high temperature stability and corrosion resistance, Incoloy 800H alloy wire can operate stably for a long time in harsh working environments, extending the service life of equipment.

Provide uniform heating: The excellent thermal conductivity of Incoloy 800H alloy wire can achieve uniform heating, ensuring the uniformity and consistency of the heated materials in the heat treatment equipment.

Rapid heating and cooling: Due to its high thermal conductivity, Incoloy 800H alloy wire can achieve rapid heating and cooling, improving the production efficiency of heat treatment equipment.

Specific applications:

Specific applications of Incoloy 800H alloy wire in heat treatment equipment include:

Stoves and furnace tubes: Incoloy 800H alloy wire can be used to manufacture furnaces and furnace tubes in heat treatment equipment for heating and processing metal materials.

Heat treatment coil: Incoloy 800H alloy wire can be used in coils in heat treatment equipment to provide stable heating

capacity for regulating and controlling temperature.

Heat treatment fixtures: Incoloy 800H alloy wire can be used to manufacture fixtures for heat treatment equipment to fix and support the heated materials to ensure even heating.

Other relevant knowledge points:

In heat treatment equipment using Incoloy 800H alloy wire, the following matters should be paid attention to:

Temperature control: In high-temperature environments, the temperature needs to be reasonably controlled and monitored to ensure the safety and quality of heat treatment equipment and heated materials.

Equipment maintenance: Regularly inspect and maintain heat treatment equipment to ensure the normal operation of Incoloy 800H alloy wire and other components, and to prevent equipment failures caused by corrosion, aging and other reasons.

Safety precautions: When operating heat treatment equipment, relevant safety regulations, including personal protective measures and equipment operating procedures, should be followed to ensure the safety of personnel and equipment.

In short, Incoloy 800H alloy wire has excellent high temperature tolerance, oxidation resistance and corrosion resistance in heat treatment equipment. It is widely used in furnaces, coils, fixtures and other components of heat treatment equipment, and can provide stable heating capacity, uniform heating effect and rapid heating and cooling speed. Through reasonable temperature control, regular maintenance and compliance with safety regulations, the safe and reliable operation of Incoloy 800H alloy wire and heat treatment equipment can be ensured, the life of the equipment can be extended, and production efficiency can be improved.

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We are experience factory for OEM&ODM service



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