



Oil And Gas Industry High Temperature Resistant Argon Thermal Spray Wire For Hastelloy C276

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: HC276
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- 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

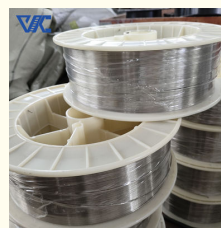
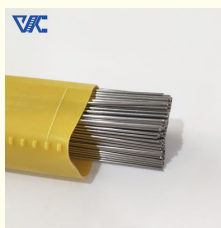


Product Specification

- Product Name: Thermal Spray Wire
- Grade: HC276
- Material: Ni Fe Cr Mo
- Bonding Strength: 48.26 N/mm2
- Deposit Rate: 10 Lbs/hr/100A
- Coating Hardness: HRC 30-35
- Density: 8.89g/cm3
- Melting Point: 1325-1370°C
- Application: Petrochemical Equipment
- Highlight: High Temperature Nickel Spray Wire, Nickel Spray Wire NiCrTi Coating, 45CT wire spray coating



More Images



Product Description

Introduction:

HC276 thermal spray wire, also known as Hastelloy C-276 thermal spray wire, is a high-performance corrosion-resistant alloy wire. It is composed of nickel, molybdenum, chromium, iron and other elements, and has excellent corrosion resistance and excellent mechanical properties.

HC276 thermal spray wire has a good balance in chemical composition and can resist the erosion of strong acids, strong alkali, salt solutions and oxidizing media. It is widely used in chemical, petroleum, pharmaceutical and other fields to provide reliable corrosion protection for equipment and components.

In addition, HC276 thermal spray wire also has excellent mechanical properties. It has high tensile strength, toughness and resistance to stress corrosion cracking, and remains stable in high temperatures and corrosive environments. This makes it ideal for applications requiring high strength and durability.

Thermal spray wire

Our Product Introduction

Item	Inconel 625	Ni95Al5	45CT	Monel 400	HC-276	Cr20Ni80
C	≤0.05	≤0.02	0.01-0.1	≤0.04	≤0.02	≤0.08
Mn	≤0.4	≤0.2	≤0.2	2.5-3.5	≤1.0	≤0.06
P	≤0.01	≤0.01	≤0.01	≤0.01	≤0.01	≤0.02
S	≤0.01	≤0.01	≤0.01	≤0.01	≤0.01	≤0.01
Si	≤0.15	≤0.2	≤0.2	≤0.15	≤0.08	0.75-1.6
Cr	21.5-23	≤0.2	42-46	-	14.5-16	20-23
Ni	Rest	Rest	Rest	65-67	Rest	Rest
Cu	-	-	-	Rest	-	-
Mo	8.5-10	-	-	-	15-17	-
Ti	≤0.4	0.4-1	0.3-1.0	2.0-3.0	-	-
Al	≤0.4	4-5	-	≤0.5	-	-
Fe	≤1.0	-	≤0.5	≤1.0	4.0-7.0	-
Nb	3.5-4.15	-	-	-	-	≤1.0
Co	-	-	-	-	-	-
V	-	-	-	-	≤0.35	-
W	-	-	-	-	3.0-4.5	-
Impurities	≤0.50	≤0.50	≤0.50	≤0.50	≤0.50	≤0.50

Feature:

Corrosion resistance: HC276 alloy has excellent corrosion resistance and has good tolerance to a variety of strong acids, alkaline solutions and oxidizing media.

High-temperature stability: The alloy performs well in high-temperature environments and maintains good mechanical properties and corrosion resistance.

Resistance to stress corrosion cracking: HC276 alloy has good resistance to stress corrosion cracking and is suitable for high stress environments.

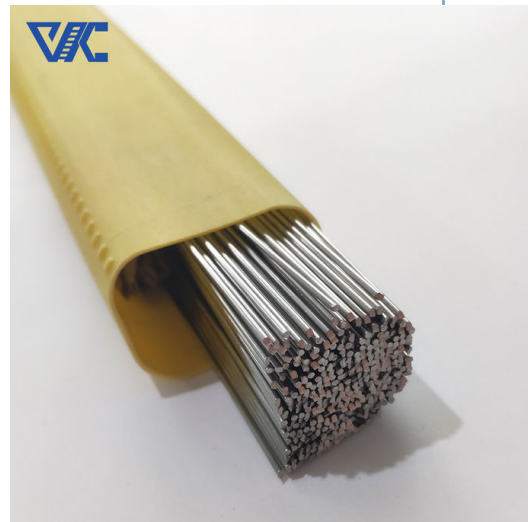
Application:

Petrochemical equipment: HC276 thermal spray wire is widely used in petrochemical equipment, such as reactors, distillation towers, heat exchangers and storage tanks, etc. It provides corrosion resistance, high temperature stability and protection against stress corrosion cracking.

Oil drilling tools: In the process of oil and gas exploration and development, HC276 alloy thermal spray wire can be used to manufacture drilling tools, such as drill bits, casings and pipes. It can withstand severe working conditions of high temperature, high pressure and corrosive media.

Oil and natural gas transmission pipelines: HC276 alloy thermal spray wire can be used for anti-corrosion protection of oil and natural gas transmission pipelines. It provides a coating that resists corrosion and stress corrosion cracking, extending the life of the pipeline.

Size range Wire: 0.12 to 8.0 mm.



Q&A:

What are the advantages of HC276 thermal spray wire over other spray materials in the oil and gas industry?

HC276 thermal spray wire has excellent corrosion resistance, high temperature stability and resistance to stress corrosion cracking, making it suitable for highly corrosive and high temperature environments in the oil and gas industry.

What are the specific applications of HC276 thermal spray wire in petrochemical equipment?

HC276 thermal spray wire is often used in the manufacture of petrochemical equipment, such as reactors, distillation towers, heat exchangers and storage tanks. It provides corrosion resistance, high temperature stability and protection against stress corrosion cracking.

How does HC276 thermal spray wire cope with corrosion and high temperature issues in the oil and gas industry?

HC276 thermal spray wire has excellent corrosion resistance and high temperature stability, which can provide corrosion resistance and high temperature stability protection in the oil and gas industry, extending the service life of equipment and pipelines.



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