



Excellent Corrosion Resistance Ferro Alloy Slag for Environmental Protection

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: ISO/ROHS
- Model Number: FeCrAl Alloy
- Minimum Order Quantity: 2kg
- Packaging Details: Spool package with Carton box, Coil package with polybag for pure nickel wire 0.025mm
- Delivery Time: 5-21 days



Product Specification

- Elongation: 20-30%
- Resisivity: 1.45
- Grade: Cr22Al4.5, 0Cr25Al5
- Shape: Wire
- Package: Wooden Box
- Status: Bright
- Supply State: Rod
- Length: Depend On Customer
- Highlight: **Excellent Corrosion Resistance Ferro Alloy Slag , Environmental Protection Ferro Alloy Slag**

Product Description

Product Description:

One of the main advantages of FeCrAl alloy is its high melting point, which ranges from 1400-1520°C. This makes it ideal for use in high-temperature applications such as industrial furnaces and heating elements. Additionally, FeCrAl alloy has a low thermal expansion coefficient, with a range of 8.2-9.2 $\mu\text{m/mK}$. This property makes it highly resistant to thermal stress and thermal shock.

FeCrAl alloy contains a high percentage of nickel, typically 80%. This nickel content contributes to the alloy's excellent resistance to oxidation and corrosion. In addition to its high nickel content, FeCrAl alloy has a high elongation, typically between 20-30%. This property makes it highly ductile and able to withstand deformation without breaking.

The density of FeCrAl alloy is 7.1, which is relatively low compared to other Alloy Tool Steel materials. This low density makes FeCrAl alloy lightweight and easy to work with, while still maintaining its high-temperature properties.

In summary, FeCrAl alloy is an Iron-Base Alloy that is commonly used in high-temperature applications such as heating elements and industrial furnaces. It is a Ferro Silicon Alloy that is known for its high resistance to oxidation and corrosion. FeCrAl alloy has a high melting point, low thermal expansion coefficient, high nickel content, high elongation, and low density. These properties make it an ideal choice for applications that require high-temperature resistance and excellent durability.

Features:

Product Name: FeCrAl Alloy

Corrosion Resistance: Excellent

Elongation: 20-30%

Grade: Cr22Al4.5, 0Cr25Al5

Port: Shanghai, China

Density: 7.1

This product is a type of Ferritic Stainless Steel alloy tool steel.

Technical Parameters:

Technical Parameter	Description
Melting Point	1400-1520°C
Shape	Wire
Package	Wooden Box
Corrosion Resistance	Excellent
Grade	Cr22Al4.5, 0Cr25Al5
Status	Bright
Thermal Expansion	8.2-9.2 $\mu\text{m/mK}$
Nickel	80%
Tensile Strength	600-800 MPa
Supply State	Rod

This product is a Ferro Alloy Metal and belongs to the Alloy Tool Steel category. Additionally, it can also be classified as a Ferro Silicon Alloy.

Applications:

The FeCrAl Alloy has a tensile strength of 600-800 MPa, which makes it suitable for use in high-stress applications. It can withstand high temperatures without losing its strength and is commonly used in heating elements, furnace parts, and other high-temperature components. The FeCrAl Alloy is also highly resistant to corrosion and can be used in harsh environments where other materials may fail. The FeCrAl Alloy is widely used in the automotive and aerospace industries due to its excellent thermal expansion properties. It has a thermal expansion coefficient of 8.2-9.2 $\mu\text{m/mK}$, which is similar to that of many materials used in these industries. This makes it ideal for use in applications where thermal expansion is a concern, such as exhaust systems and turbine components.

The FeCrAl Alloy is also used in the manufacturing of household appliances such as toasters, hair dryers, and ovens. The alloy's excellent oxidation resistance and high-temperature strength make it an ideal material for heating elements in these appliances. The FeCrAl Alloy is also used in the production of electrical resistors, which are used in a variety of electronic devices.

DLX FeCrAl Alloy is made in China and is shipped through the port of Shanghai. The nickel content of the alloy is 80%, which gives it excellent corrosion resistance. The FeCrAl Alloy is available in a variety of sizes and shapes, making it suitable for a wide range of applications. Whether you need a material for high-temperature components or electrical resistors, DLX FeCrAl Alloy is an excellent choice.

Support and Services:

Our FeCrAl Alloy product is backed by our comprehensive technical support and services to ensure that you get the most out of your

purchase. Our team of experts is always available to answer any technical questions you may have and provide guidance on proper usage and installation.

We also offer a range of services to help you optimize your FeCrAl Alloy product, including:

Customized alloy composition based on your specific requirements

Heat treatment and annealing services to improve the material's properties

Surface treatment and coating services to enhance corrosion resistance and durability

Material testing and analysis services to ensure product quality and consistency

Technical training and consulting services to help you improve your manufacturing processes

At our company, we are committed to providing our customers with the highest level of support and service to ensure their success.

Contact us today to learn more about our FeCrAl Alloy product and how we can assist you.

Packing and Shipping:

Product Packaging:

The FeCrAl Alloy product will be packed in a sturdy cardboard box with protective foam to prevent any damages during transit.

Shipping:

We offer worldwide shipping for the FeCrAl Alloy product. Shipping times may vary depending on the destination country. Customers will be provided with a tracking number once the product has been shipped.

FAQ:

Q: What is DLX FeCrAl Alloy?

A: DLX FeCrAl Alloy is a type of electrical resistance heating alloy made of iron, chromium, and aluminum. It is commonly used in heating elements, such as in furnaces, ovens, and heating appliances.

Q: What are the benefits of using DLX FeCrAl Alloy?

A: DLX FeCrAl Alloy has high resistance to oxidation, corrosion, and high temperature. It also has good mechanical strength and electrical conductivity, making it a reliable and efficient heating material.

Q: What is the maximum operating temperature of DLX FeCrAl Alloy?

A: The maximum operating temperature of DLX FeCrAl Alloy depends on the specific grade and diameter of the wire. Generally, it can withstand temperatures up to 1250°C (2282°F).

Q: Where is DLX FeCrAl Alloy made?

A: DLX FeCrAl Alloy is made in China.

Q: What applications is DLX FeCrAl Alloy suitable for?

A: DLX FeCrAl Alloy is commonly used in heating elements for industrial and household appliances, such as ovens, toasters, hair dryers, and electric heaters. It can also be used in high-temperature applications, such as in furnace elements and thermocouples.



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