



FeCrAl Alloy Perfect Heating Material For High-Temperature Environments

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Model Number: FeCrAl



Product Specification

- Highlight: High Temperature FeCrAl Alloy, Wire Heating Element Plate, High-Temperature Alloy Plate



More Images



for more products please visit us on victory-alloy.com

Product Description

Product Description:

Our FeCrAl Alloy is available in two grades - Cr22Al4.5 and 0Cr25Al5 - both of which offer excellent resistance to oxidation and high-temperature corrosion. These grades of FeCrAl Alloy are commonly used in the production of heating elements, resistance wires, and industrial furnaces.

One of the standout features of our FeCrAl Alloy is its elongation, which ranges from 20-30%. This means that our FeCrAl Alloy is incredibly flexible and able to withstand high levels of stress without breaking or deforming. Additionally, our FeCrAl Alloy has a thermal expansion rate of 8.2-9.2 $\mu\text{m/mK}$, which ensures that it maintains its shape and structural integrity even when exposed to extreme temperatures.

Our FeCrAl Alloy is available in a variety of lengths, depending on the needs of our customers. This allows for greater flexibility and customization, ensuring that our FeCrAl Alloy can be used in a wide range of applications.

Whether you're in the market for Alloy Tool Steel, Ferritic Stainless Steel, or any other type of high-performance material, our FeCrAl Alloy is the perfect choice. With its exceptional durability, resistance to corrosion, and thermal stability, our FeCrAl Alloy is a must-have for any industry that demands the best.

Applications:

One of the main applications of this FeCrAl Alloy is in the production of heating elements for high-temperature furnaces. The alloy's high resistivity of 1.45 makes it an ideal material for this purpose, as it can withstand high temperatures without deforming or breaking down. Additionally, the FeCrAl Alloy's excellent corrosion resistance ensures a longer lifespan for the heating elements, reducing the need for frequent replacements and repairs.

Another common use of the Victory FeCrAl Alloy is in the manufacturing of electrical appliances such as toasters, hair dryers, and space heaters. The alloy's high resistivity and thermal expansion rate make it an excellent choice for heating elements in these devices. The FeCrAl Alloy's corrosion resistance also ensures that these appliances will have a longer lifespan, reducing the need for repairs and replacements.

The Victory FeCrAl Alloy is also used in the production of industrial heating equipment, such as industrial furnaces, kilns, and ovens. The alloy's high resistivity and thermal expansion rate make it an ideal material for heating elements in these types of equipment. Additionally, the FeCrAl Alloy's excellent corrosion resistance ensures that these heating elements will last longer, reducing the need for frequent replacements and repairs.

Overall, the Victory FeCrAl Alloy is a versatile and reliable product that has many different applications in various industries. Its high resistivity, thermal expansion rate, and corrosion resistance make it an ideal material for heating elements and other high-temperature applications. The product is available in wooden boxes and can be shipped from the port of Shanghai, China.

Support and Services:

Our FeCrAl Alloy product technical support and services include:

- Consultation on alloy selection and application
- Custom alloy production
- Material testing and analysis
- Failure analysis and troubleshooting
- Technical training and education

Packing and Shipping:

Product Packaging:

FeCrAl Alloy coils are packed in wooden boxes or crates

Boxes are lined with moisture-proof paper and foam sheets

Coils are secured with steel straps

Each box contains a label with product details and handling instructions

Shipping:

FeCrAl Alloy coils are shipped via sea or air freight

Boxes are loaded onto pallets for easy handling

Each shipment is accompanied by a packing list and commercial invoice

Shipping documents are sent to the customer in advance

FAQ:

1. What is Victory FeCrAl Alloy?

Victory FeCrAl Alloy is a high resistance alloy made from iron, chromium, and aluminum. It is known for its high resistance to oxidation and excellent electrical conductivity.

2. What are the applications of Victory FeCrAl Alloy?

Victory FeCrAl Alloy is widely used in the production of heating elements, such as in household appliances, industrial furnaces, and ovens. It is also used in the production of resistors, thermocouples, and other heating and sensing applications.

3. What are the advantages of Victory FeCrAl Alloy?

Victory FeCrAl Alloy has a high melting point, good corrosion resistance, and excellent mechanical properties. It also has a low temperature coefficient of resistance, making it ideal for use in high-temperature applications.

4. Where is Victory FeCrAl Alloy made?

Victory FeCrAl Alloy is made in China.

5. What is the maximum operating temperature of Victory FeCrAl Alloy?

The maximum operating temperature of Victory FeCrAl Alloy depends on the specific alloy composition and application.

Generally, it can withstand temperatures up to 1400°C (2552°F) in air and up to 2200°C (3992°F) in reducing atmospheres.



Changzhou Victory Technology Co., Ltd



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

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