



Grade 0Cr25Al5 FeCrAl Alloy With Thermal Expansion Of 8.2-9.2 Mm/mK And Bright Status

Basic Information

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



Product Specification

- Highlight: Grade 0Cr25Al5 FeCrAl Alloy,
8.2-9.2 $\mu\text{m/mK}$ FeCrAl Alloy,
Bright Status FeCrAl Alloy



Product Description

Product Description:

This alloy has a thermal expansion coefficient of 8.2-9.2 $\mu\text{m/mK}$, which means that it expands or contracts very little with changes in temperature. This makes it an ideal material for use in high-temperature applications, such as furnace heating elements, where it can withstand temperatures up to 1400°C. The length of FeCrAl Alloy can be customized according to the customer's requirements, making it suitable for a wide range of applications.

Another important attribute of FeCrAl Alloy is its high elongation of 20-30%. This means that it can be stretched without breaking, making it suitable for use in applications where flexibility is required. In addition, FeCrAl Alloy contains around 80% nickel, which makes it highly resistant to corrosion and oxidation.

The resistivity of FeCrAl Alloy is 1.45, which is higher than that of most other alloys. This means that it can resist the flow of current, making it an ideal material for use in applications where electrical resistance is required, such as in heating elements for electric ovens and toasters.

In summary, FeCrAl Alloy is a type of ferritic stainless steel that contains iron, chromium, and aluminum, and sometimes other elements such as manganese, silicon, and nickel. It has a low thermal expansion coefficient, high elongation, and high resistance to corrosion and oxidation. The length can be customized according to the customer's requirements. Its resistivity is high, making it an ideal material for use in electrical applications. In some industries, it is also known as Ferro Silicon Alloy.

Applications:

One of the most common applications of Victory FeCrAl Alloy is in the production of heating elements. The wire shape of the alloy makes it easy to shape and design into different heating elements that can be used in various heating devices. These heating elements are used in many household appliances, such as toasters, ovens, and electric stoves. They are also used in industrial heating systems, such as furnaces and kilns.

Victory FeCrAl Alloy can also be used in the production of Alloy Tool Steel, which is a type of steel that is used to produce cutting and drilling tools. The high-temperature strength and corrosion resistance of the alloy make it an ideal material for this application. This type of steel is commonly used in the automotive industry, aerospace industry, and machinery manufacturing industry.

Another application of Victory FeCrAl Alloy is in the production of Ferro Silicon Alloy. Ferro Silicon Alloy is a type of alloy that is used as a deoxidizer and alloying agent in the production of steel. The high-temperature stability and resistance to oxidation of the FeCrAl Alloy make it an ideal material for this application.

Victory FeCrAl Alloy has a thermal expansion coefficient of 8.2-9.2 $\mu\text{m/mK}$ and a melting point of 1400-1520°C. These properties make it an ideal material for high-temperature applications. The product is packaged in a wooden box and shipped from the port of Shanghai, China.

In conclusion, Victory FeCrAl Alloy is a versatile and high-quality material that is used in a variety of applications. Its excellent thermal stability, resistance to oxidation and corrosion, and high-temperature strength make it an ideal choice for heating elements, Alloy Tool Steel, Ferro Silicon Alloy, and more. The product is packaged in a wooden box and shipped from the port of Shanghai, China.

Support and Services:

The FeCrAl Alloy is a high-resistance alloy used in various industrial applications. Our technical support team is available to assist with any questions related to the product, including:

Product selection and application

Material properties and characteristics

Installation and maintenance

Troubleshooting and problem-solving

In addition to technical support, we offer a range of services to ensure the best performance and longevity of your FeCrAl Alloy product:

Customized product design and manufacturing

Quality control and testing

Product documentation and certification

Repair and replacement services

Packing and Shipping:

Product Packaging:

The FeCrAl Alloy product will be securely packed in a wooden crate with foam padding to prevent any damage during transportation. The crate will be labeled with the product name, weight, and handling instructions.

Shipping:

We offer various shipping options to our customers, including air freight and sea freight. The shipping cost will depend on the weight and destination of the product. We use reliable shipping companies to ensure timely delivery of the product.

FAQ:

Q: What is the brand name of the product?

A: The brand name of the product is Victory

Q: What is the model number of the product?

A: The model number of the product is FeCrAl Alloy.

Q: Where is the product manufactured?

A: The product is manufactured in China.

Q: What is the composition of FeCrAl Alloy?

A: FeCrAl Alloy is composed of iron, chromium, and aluminum.

Q: What are the common applications of FeCrAl Alloy?

A: FeCrAl Alloy is commonly used in heating elements, electric furnaces, and industrial heating applications.



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