



Active Surface Area Long Chain Alkane Dehydrogenation Of Alkanes Catalyst Alumina Carrier

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: Long Chain Alkane Dehydrogenation Alumina Carrier
- Model Number: KML-100



Product Specification

- Surface Area: 150-170 M2/g
- Particle Size: 2 Mm
- Pore Size: 10-15nm
- Surface Hydroxyl Groups: High Concentration Of Surface Hydroxyl Groups
- Application: Catalyst For Dehydrogenation Of Long Chain Alkanes
- Pore Volume: 0.8-1.2 Cm3/g
- Catalytic Activity: High Selectivity And Conversion Rate
- Alumina Content: More Than 99%
- Highlight: **dehydrogenation alumina carrier,
15nm alumina carrier,
15nm dehydrogenation of alkanes catalyst**

Product Description

Product Description:

One of the key attributes of this product is its high surface area, which ranges from 150-170 M²/g. This is an important characteristic as it allows for more contact between the reactants and the catalyst, increasing the efficiency of the reaction. This, in turn, leads to a higher conversion rate of long-chain alkanes into more valuable products.

Another important attribute of this product is its high catalytic activity. It has been designed to provide high selectivity, which means that it can target specific molecules in the reaction and convert them into the desired product. This is particularly important in the conversion of long-chain alkanes, which can be difficult to break down without the right catalyst.

The Long Chain Alkane Dehydrogenation Alumina Carrier is made up of more than 99% alumina content, which is a high-purity material that is ideal for catalytic reactions. The high alumina content ensures that the product is stable and can withstand high temperatures without degrading. This makes it an ideal product for industrial use where high temperatures are often required.

The pore size of this product is between 10-15nm, which is another important characteristic for catalytic reactions. The pore size determines the size of the molecules that can enter the catalyst, and a larger pore size allows for larger molecules to enter. In the case of Long Chain Alkane Dehydrogenation Alumina Carrier, the 10-15nm pore size is ideal for the conversion of long-chain alkanes, allowing them to enter the catalyst and be converted into more valuable products.

The particle size of this product is 2mm, which is the ideal size for industrial applications. The particles are large enough to be easily handled and transported but small enough to provide a large surface area for the catalytic reaction to take place.

Overall, Long Chain Alkane Dehydrogenation Alumina Carrier is an essential product for the petrochemical industry. Its high surface area, catalytic activity, alumina content, pore size, and particle size make it an ideal catalyst for the conversion of long-chain alkanes into more valuable products. Its high selectivity and conversion rates are highly valued by industrial professionals and make it a popular choice.

Technical Parameters:

Bulk Density	0.3-0.4 G/cm ³
Moisture Content	Less Than 1%
Alumina Content	More Than 99%
Pore Size	10-15nm
Catalytic Activity	High Selectivity And Conversion Rate
Thermal Stability	Up To 1000°C
Application	Catalyst For Dehydrogenation Of Long Chain Alkanes
Particle Size	2 Mm
Pore Volume	0.8-1.2 Cm ³ /g
Surface Hydroxyl Groups	High Concentration Of Surface Hydroxyl Groups

Applications:

This product is perfect for use in drip ball reactors that are used for the dehydrogenation of long chain alkanes. The alumina carrier helps to improve the efficiency of the process and to increase the yield of the desired product. It is also used in other high-temperature applications where thermal stability is required.

The Long Chain Alkane Dehydrogenation Alumina Carrier is commonly used in the petrochemical industry, specifically in the production of ethylene and propylene. It is also used in the production of other chemicals such as butadiene, benzene, and toluene. Its high thermal stability makes it ideal for use in high-temperature processes such as steam cracking.

Other applications for this product include the production of hydrogen gas through steam reforming and the production of synthesis gas through partial oxidation. It is also used in the production of ammonia through the Haber process.

In summary, the Long Chain Alkane Dehydrogenation Alumina Carrier is a versatile product that has a wide range of applications. Its high thermal stability makes it ideal for use in high-temperature processes, and its pore size and surface area make it an effective catalyst for chemical reactions. If you work in the petrochemical industry or in high-temperature applications, the Long Chain Alkane Dehydrogenation Alumina Carrier is a product that you should consider using.

Support and Services:

The Long Chain Alkane Dehydrogenation Alumina Carrier product provides technical support and services to ensure optimal performance and efficiency. Our team of experts can provide assistance with installation, operation, maintenance, troubleshooting, and repair of the product. In addition, we offer training and consultation services to help customers make the most of their investment. Our goal is to provide exceptional customer service and support to ensure that our customers are satisfied with their purchase.

Packing and Shipping:

Product: Long Chain Alkane Dehydrogenation Alumina Carrier

Quantity: 1 pack (100 grams)

Packaging: The product will be packed in a sealed plastic bag to prevent any contamination or moisture.

Shipping: The product will be shipped via a reliable courier service to ensure timely and safe delivery. The package will be labeled with

the product name, quantity, and handling instructions.



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