Long Chain Alkane Dehydrogenation Alumina Carrier Achieving Superior Performance In Dehydrogenation Processes

Our Product Introduction

Basic Information

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

Product Specification

- Thermal Stability: Up To 1000°C
- Surface Area: 150-170 M2/g
- Pore Size: 10-15nm
- Alumina Content: More Than 99%
- Catalytic Activity: High Selectivity And Conversion Rate
- Application: Catalyst For Dehydrogenation Of Long Chain Alkanes
- Pore Volume: 0.8-1.2 Cm3/g
- Bulk Density: 0.3-0.4 G/cm3
- Highlight: **Long Alkane Dehydrogenation Catalyst**, **Long Alkane Dehydrogenation Alumina Carrier**, **Catalysts For Dehydrogenation Of Long Chain Alkanes**

Product Description

Product Description:

Our Long Chain Alkane Dehydrogenation Alumina Carrier is made up of over 99% alumina, which guarantees outstanding thermal stability up to 1000°C. The high amount of surface hydroxyl groups significantly boosts the carrier's capacity to absorb and filter impurities, resulting in a more refined final product.
A major advantage of this product is its effectiveness in both drip ball applications and long-chain alkane dehydrogenation processes. The alumina carrier serves as excellent support for the catalytic material, facilitating efficient and effective dehydrogenation.
Whether your goal is to separate and purify long-chain alkanes or to carry out dehydrogenation processes, our Long Chain Alkane Dehydrogenation Alumina Carrier is the ideal choice. With its remarkable pore volume, pore size, surface hydroxyl groups, and thermal stability, this carrier ensures reliable and consistent performance.

Features:

Product Name: Long Chain Alkane Dehydrogenation Alumina Carrier
Alumina Content: More Than 99%
Bulk Density: 0.3-0.4 G/cm3
Pore Size: 10-15nm
Particle Size: 2 Mm
Surface Hydroxyl Groups: High Concentration Of Surface Hydroxyl Groups
This Long Chain Alkane Dehydrogenation Alumina Carrier product features a high concentration of surface hydroxyl groups and is perfect for dehydrogenation of long chain alkanes due to its alumina content, bulk density, pore size and particle size.

Technical Parameters:

Surface Hydroxyl Groups	High Concentration Of Surface Hydroxyl Groups
Bulk Density	0.3-0.4 G/cm3
Alumina Content	More Than 99%
Moisture Content	Less Than 1%
Pore Volume	0.8-1.2 Cm3/g
Particle Size	2 Mm
Pore Size	10-15nm
Surface Area	150-170 M2/g
Thermal Stability	Up To 1000°C
Application	Catalyst For Dehydrogenation Of Long Chain Alkanes

Applications:

A primary use of this carrier is in the dehydrogenation of long-chain alkanes, a process vital for producing olefins and aromatics, which are crucial in the chemical industry. The KML-100 carrier offers outstanding catalytic activity and selectivity, making it a top choice for this application.
Additionally, the Long Chain Alkane Dehydrogenation Alumina Carrier is utilized in oil ammonia columns. This application is essential in the oil and gas sector for eliminating impurities such as sulfur and nitrogen compounds from crude oil. The carrier's high surface area and pore volume enhance its effectiveness in adsorbing these contaminants, leading to a cleaner and more refined end product.
The KML-100 carrier is also applicable in various other contexts, including hydrogen production, impurity removal from natural gas, and methanol synthesis. Its significant surface area and pore volume contribute to its versatility, making it suitable for a broad array of applications.
In conclusion, the Long Chain Alkane Dehydrogenation Alumina Carrier is a premium product that delivers excellent catalytic activity and selectivity, making it perfect for the dehydrogenation of long-chain alkanes. Its adaptability and efficiency across different applications make it an invaluable asset for any industrial process that involves adsorption and catalysis.

Support and Services:

The Long Chain Alkane Dehydrogenation Alumina Carrier product technical support and services include:
Technical consultation and guidance on product performance and application
Recommendations for optimal operating conditions and catalyst preparation
Analysis and testing of catalyst performance and activity
Training and education on catalyst handling, safety, and disposal

Packing and Shipping:

Product Packaging:

The Long Chain Alkane Dehydrogenation Alumina Carrier product will be packaged in a sturdy, leak-proof container to ensure its safe and secure transit.

The container will be labeled with the product name, quantity, and any relevant handling instructions.

Shipping:

The Long Chain Alkane Dehydrogenation Alumina Carrier product will be shipped via a reputable carrier to ensure timely and safe delivery.

Shipping costs will be calculated based on the size and weight of the package, as well as the shipping destination.

Customers will receive a tracking number once the product has shipped, so they can track its progress and estimated delivery date.

FAQ:

Q: What is the brand name of this product?
A: The brand name of this product is Long Chain Alkane Dehydrogenation Alumina Carrier.
Q: What is the model number of this product?
A: The model number of this product is KML-100.
Q: Where is this product manufactured?
A: This product is manufactured in China.
Q: What is the function of this product?
A: This product is an alumina carrier used for long chain alkane dehydrogenation.
Q: What is the size of this product?
A: The size of this product varies depending on the specific needs of the customer.

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