



Dehydrogenation Long Chain Alkane Dehydrogenation Alumina Carrier Pore Volume 0.8-1.2 Cm3/G Particle Size 2 Mm

Our Product Introduction

for more products please visit us on jyalumcatalyst.com

Basic Information

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



Product Specification

- Bulk Density: 0.3-0.4 G/cm3
- Pore Size: 10-15nm
- Alumina Content: More Than 99%
- Catalytic Activity: High Selectivity And Conversion Rate
- Moisture Content: Less Than 1%
- Application: Catalyst For Dehydrogenation Of Long Chain Alkanes
- Surface Hydroxyl Groups: High Concentration Of Surface Hydroxyl Groups
- Particle Size: 2 Mm
- Highlight: Long Chain Alkane Dehydrogenation Alumina Carrier

Product Description

Product Description:

The Long Chain Alkane Dehydrogenation Alumina Carrier product is a high-quality catalyst designed specifically for the dehydrogenation of long chain alkanes in various industrial processes. This product is highly efficient and reliable, offering exceptional performance due to its unique characteristics and composition.

One of the key attributes of this product is its high alumina content, exceeding 99%. This ensures superior catalytic activity and stability during the dehydrogenation process, leading to consistent and optimized results in the production of valuable chemical compounds. Another notable feature of this alumina carrier is its exceptional thermal stability, capable of withstanding temperatures of up to 1000°C. This high thermal resistance makes it ideal for use in demanding industrial applications where high temperatures are required for the dehydrogenation of long chain alkanes.

The pore volume of this alumina carrier falls within the range of 0.8-1.2 cm³/g, providing ample surface area for efficient adsorption and catalytic reactions. This optimal pore volume ensures effective contact between the catalyst and the reactants, enhancing the conversion of long chain alkanes into valuable chemical products.

Furthermore, this product is characterized by a high concentration of surface hydroxyl groups, which play a crucial role in facilitating the dehydrogenation reactions of long chain alkanes. The presence of these surface hydroxyl groups enhances the catalytic activity and selectivity of the alumina carrier, contributing to improved process efficiency and product quality.

In addition, the moisture content of this alumina carrier is strictly controlled to be less than 1%, ensuring the integrity and performance of the catalyst during storage and handling. This low moisture content prevents unwanted reactions and maintains the stability of the product, guaranteeing consistent results in the dehydrogenation of long chain alkanes.

Overall, the Long Chain Alkane Dehydrogenation Alumina Carrier product is a superior catalyst tailored for the efficient and precise conversion of long chain alkanes into valuable chemical compounds. Its high alumina content, exceptional thermal stability, optimal pore volume, high surface hydroxyl groups concentration, and low moisture content make it a reliable and effective choice for industrial processes such as oil ammonia columns and oil columns.

Features:

Product Name: Long Chain Alkane Dehydrogenation Alumina Carrier

Application: Catalyst For Dehydrogenation Of Long Chain Alkanes

Pore Volume: 0.8-1.2 Cm³/g

Moisture Content: Less Than 1%

Particle Size: 2 Mm

Bulk Density: 0.3-0.4 G/cm³

Technical Parameters:

Thermal Stability	Up To 1000°C
Moisture Content	Less Than 1%
Alumina Content	More Than 99%
Surface Hydroxyl Groups	High Concentration Of Surface Hydroxyl Groups
Catalytic Activity	High Selectivity And Conversion Rate
Surface Area	150-170 M ² /g
Pore Volume	0.8-1.2 Cm ³ /g
Particle Size	2 Mm
Pore Size	10-15nm
Bulk Density	0.3-0.4 G/cm ³

Applications:

The Long Chain Alkane Dehydrogenation Alumina Carrier, model KML-100, is a high-quality product originating from China. With an alumina content of more than 99%, this carrier offers exceptional thermal stability up to 1000°C, making it ideal for various industrial applications.

One of the key features of this product is its specific particle size of 2 mm, which ensures effective catalytic activity. The pore volume ranges from 0.8 to 1.2 cm³/g, providing ample surface area for catalytic reactions.

The Long Chain Alkane Dehydrogenation Alumina Carrier is specifically designed for applications involving long chain alkanes. Its high selectivity and conversion rate make it a preferred choice for processes such as oil ammonia column reactions.

Product Application Occasions and Scenarios:

Refinery Industry: The carrier can be used in refinery processes to facilitate the dehydrogenation of long chain alkanes, improving overall efficiency.

Petrochemical Industry: It is suitable for catalyzing reactions involving long chain alkanes in the production of various petrochemical products.

Chemical Engineering: The carrier's high catalytic activity and selectivity make it valuable for chemical processes requiring

precise control over conversion rates.

Environmental Applications: The product can also be employed in environmental remediation processes where the dehydrogenation of long chain alkanes is necessary.

Customization:

Product Customization Services for the Long Chain Alkane Dehydrogenation Alumina Carrier:

Brand Name: Long Chain Alkane Dehydrogenation Alumina Carrier

Model Number: KML-100

Place of Origin: CHINA

Surface Area: 150-170 M²/g

Pore Volume: 0.8-1.2 Cm³/g

Alumina Content: More Than 99%

Application: Catalyst For Dehydrogenation Of Long Chain Alkanes

Catalytic Activity: High Selectivity And Conversion Rate

Packing and Shipping:

Product Name: Long Chain Alkane Dehydrogenation Alumina Carrier

Description: This product is designed to aid in the dehydrogenation of long chain alkanes. It is made with high-quality alumina carrier material to ensure optimal performance.

Packaging: The product will be carefully packed in sturdy cardboard boxes to prevent damage during shipping. Each unit will be sealed to maintain product integrity.

Shipping: Orders will be processed within 1-2 business days. We offer standard and expedited shipping options to accommodate your needs. Rest assured, your order will be handled with care to ensure safe delivery.

FAQ:

Q: What is the brand name of the product?

A: The brand name of the product is Long Chain Alkane Dehydrogenation Alumina Carrier.

Q: What is the model number of the product?

A: The model number of the product is KML-100.

Q: Where is the product manufactured?

A: The product is manufactured in China.

Q: What is the function of the alumina carrier in this product?

A: The alumina carrier facilitates the dehydrogenation of long chain alkanes.

Q: Is the alumina carrier reusable?

A: Yes, the alumina carrier can be reused multiple times for dehydrogenation processes.



Qingdao Junyao Catalyst New Material Technology Co., Ltd.



+8618254266810



jycat@qdjunyao.com.cn



jyalumcatalyst.com