



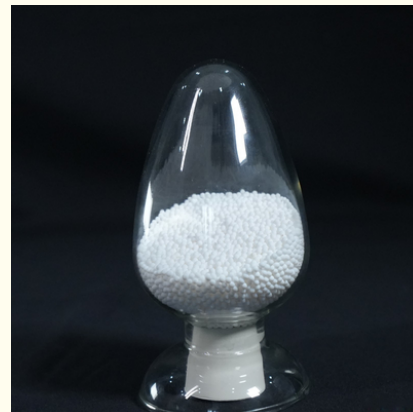
## PDH Alumina Carrier 1.6-1.8mm Sphere for Propane Dehydrogenation

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: PDH carrier
- Minimum Order Quantity: 1t
- Packaging Details: Customer demand, drum or ton pack
- Supply Ability: 2000 t/year



### Product Specification

- Application: Propane Dehydrogenation (PDH)
- Thermal Stability:  $\geq 900$
- Crushing Strength:  $\geq 45\text{N}$
- Shape: Sphere
- Bulk Density:  $0.6-0.7\text{g/cm}^3$
- Color: White
- Particle Size: 1.6-1.8mm
- Surface Area:  $100-110\text{m}^2/\text{g}$
- Highlight: **PDH alumina carrier catalyst, advanced PDH alumina support, alumina carrier with warranty**

## Product Description

### Product Description:

The PDH Alumina Carrier is a premium product specifically designed for use in the PDH (Propane Dehydrogenation) process, particularly in the moving bed reactors of OLEFLEX units. With exceptional quality and performance, this alumina carrier offers a range of key attributes that make it an ideal choice for your industrial needs.

**Crushing Strength:** The PDH Alumina Carrier boasts a crushing strength of  $\geq 45\text{N}$ , ensuring durability and resistance to breakage even under high pressure conditions. This strength is crucial for maintaining the structural integrity of the carrier particles during the PDH process.

**Chemical Composition:** With a minimum  $\text{Al}_2\text{O}_3$  content of  $\geq 97\%$ , this alumina carrier guarantees high purity and excellent chemical stability. The superior composition makes it highly resistant to corrosion and degradation, ensuring reliable performance in the harsh conditions of PDH reactors.

**Particle Size:** The PDH Alumina Carrier features particles in the size range of 1.6-1.8mm, providing optimal surface area for catalytic reactions in the PDH process. The uniform particle size distribution enhances the efficiency of the carrier in promoting the desired chemical transformations.

**Color:** This alumina carrier is distinguished by its pristine white color, adding a visual appeal to the industrial setting where it is utilized. The bright white hue not only contributes to the aesthetics but also facilitates easy monitoring and inspection of the carrier particles during operation.

**Bulk Density:** With a bulk density ranging from 0.6 to 0.7g/cm<sup>3</sup>, the PDH Alumina Carrier offers a balance between porosity and compactness. This optimal bulk density ensures good flow characteristics and packing efficiency, critical for maintaining the fluidized bed in PDH reactors.

Overall, the PDH Alumina Carrier stands out as a top-of-the-line product tailored to meet the demanding requirements of the PDH process, especially in moving bed reactors such as those found in OLEFLEX units. Its impressive crushing strength, high chemical purity, precise particle size, distinctive white color, and ideal bulk density make it a reliable and effective choice for industrial applications where catalytic support media are essential.

### Features:

**PDH Alumina Carrier** -----

**Crushing Strength:**  $\geq 45\text{N}$

**Surface Area:** 100-110m<sup>2</sup>/g

**Thermal Stability:**  $\geq 900$

**Color:** White

**Particle Size:** 1.6-1.8mm

### Technical Parameters:

Crushing Strength	$\geq 45\text{N}$
Color	White
Bulk Density	0.6-0.7g/cm <sup>3</sup>
Surface Area	100-110m <sup>2</sup> /g
Shape	Sphere
Application	Propane Dehydrogenation (PDH)
Chemical Composition	$\text{Al}_2\text{O}_3 \geq 97\%$
Thermal Stability	$\geq 900$
Particle Size	1.6-1.8mm
Advantages	High Activity, Good Selectivity, Long Service Life

### Applications:

PDH carrier Alumina is a versatile product suitable for a wide range of applications due to its exceptional properties and performance. Below are some of the key product application occasions and scenarios:

#### Drip Ball Applications:

PDH carrier Alumina is ideal for use in drip ball applications, providing excellent thermal stability with a rating of  $\geq 900$ . Its particle size of 1.6-1.8mm makes it well-suited for drip ball processes, ensuring efficient and effective performance.

#### MOVING BED Scenarios:

PDH carrier Alumina is perfect for moving bed scenarios where high thermal stability and chemical composition are crucial. With  $\text{Al}_2\text{O}_3$  content of  $\geq 97\%$  and a crushing strength of  $\geq 45\text{N}$ , this product can withstand the rigors of moving bed applications while maintaining its integrity and performance.

Originating from CHINA, PDH carrier Alumina offers a reliable supply with a minimum order quantity of 1t and a supply ability of 2000t/year. Customers have the flexibility to choose their preferred packaging details, whether in drum or ton pack format.

With a bulk density of 0.6-0.7g/cm<sup>3</sup>, PDH carrier Alumina provides excellent flow properties, making it easy to handle and transport. Its chemical composition and physical attributes make it a preferred choice for various industries and processes requiring high-quality

alumina carriers.

## Customization:

Product Customization Services for PDH Alumina Carrier: .....

Brand Name: PDH carrier

Place of Origin: CHINA

Minimum Order Quantity: 1t

Packaging Details: Customer demand, drum or ton pack

Supply Ability: 2000t/year

Shape: Sphere

Particle Size: 1.6-1.8mm

Chemical Composition:  $\text{Al}_2\text{O}_3 \geq 97\%$

Crushing Strength:  $\geq 45\text{N}$

Surface Area: 100-110m<sup>2</sup>/g

## FAQ:

Q: What is the brand name of the alumina carrier product? .....

A: The brand name is PDH carrier.

Q: Where is the PDH alumina carrier product manufactured?

A: The product is manufactured in China.

Q: What is the minimum order quantity for the PDH alumina carrier?

A: The minimum order quantity is 1 ton.

Q: How is the PDH alumina carrier packaged?

A: The product is packaged according to customer demand, in drum or ton pack.

Q: What is the supply ability for the PDH alumina carrier product?

A: The supply ability is 2000 tons per year.



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