



## Thermal Stability Up To 1200C Al<sub>2</sub>O<sub>3</sub> PDH For Temperature Applications

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: PDH carrier
- Model Number: KMP-100



### Product Specification

- Surface Area: 100-110 M<sup>2</sup>/g
- Color: White
- Cao Content: ≤0.05%
- Particle Size: 1.6-1.8mm
- Moisture Content: ≤1%
- Pore Volume: 0.6-0.8 Cm<sup>3</sup>/g
- Fe<sub>2</sub>O<sub>3</sub> Content: ≤0.02%
- Na<sub>2</sub>O Content: ≤0.2%
- Highlight: **CAS 7440-05-3 Palladium on Alumina,  
AL<sub>2</sub>O<sub>3</sub> PDH Alumina Carrier,  
Alumina Carrier For Catalysts**

## Product Description:

The PDH Alumina Carrier product is a high-quality material designed specifically for OLEFLEX applications in the petrochemical industry. It offers exceptional performance due to its carefully controlled attributes, making it an ideal choice for various processes. With a SiO<sub>2</sub> content of ≤0.05%, the PDH Alumina Carrier ensures purity and efficiency in operations. The low Fe<sub>2</sub>O<sub>3</sub> content of ≤0.02% further enhances its suitability for critical applications, where impurities can have a detrimental impact on the process. One of the key features of the PDH Alumina Carrier is its impressive surface area ranging from 100 to 110 M<sup>2</sup>/g. This extensive surface area allows for better contact between the catalyst and reactants, resulting in improved catalytic activity and overall performance. The chemical formula of the PDH Alumina Carrier is Al<sub>2</sub>O<sub>3</sub>, highlighting its composition of aluminum oxide. This composition is known for its stability and compatibility with a wide range of chemical processes, ensuring reliability and consistency in performance. In terms of appearance, the PDH Alumina Carrier is characterized by its pristine white color. This not only reflects its purity but also makes it easy to visually monitor and maintain in various industrial settings. When it comes to applications, the PDH Alumina Carrier excels in OLEFLEX processes, where it plays a crucial role in facilitating reactions and enhancing product yields. Its compatibility with moving bed systems ensures smooth operation and efficient catalyst utilization, leading to cost savings and enhanced productivity. Furthermore, the PDH Alumina Carrier is a reliable choice for processes involving drip ball technology. Its high surface area and purity make it an excellent carrier material for drip ball reactors, enabling precise control over reaction conditions and promoting optimal performance. In conclusion, the PDH Alumina Carrier stands out as a top-tier product for OLEFLEX applications, offering superior quality, performance, and versatility. With its low impurity levels, high surface area, and compatibility with innovative technologies like moving bed and drip ball systems, it is the preferred choice for industries seeking efficiency and excellence in their operations.

## Features:

**Product Name:** PDH Alumina Carrier

**Bulk Density:** 0.6-0.65 G/cm<sup>3</sup>

**Thermal Stability:** Up To 1200

**Chemical Formula:** Al<sub>2</sub>O<sub>3</sub>

**Color:** White

**Na<sub>2</sub>O Content:** ≤0.2%

## Technical Parameters:

Pore Volume	0.6-0.8 Cm <sup>3</sup> /g
Surface Area	100-110 M <sup>2</sup> /g
Color	White
CaO Content	≤0.05%
Fe <sub>2</sub> O <sub>3</sub> Content	≤0.02%
MgO Content	≤0.05%
Thermal Stability	Up To 1200
Crystalline Phase	Q-Al <sub>2</sub> O <sub>3</sub>
Chemical Formula	Al <sub>2</sub> O <sub>3</sub>
SiO <sub>2</sub> Content	≤0.05%

## Applications:

The PDH carrier, also known as the KMP-100, is a high-quality alumina carrier product originating from China. With a moisture content of less than or equal to 1%, this product offers exceptional thermal stability of up to 1200, making it suitable for a wide range of applications.

The PDH carrier is specifically designed for use in the OLEFLEX process, where it plays a crucial role in catalyst support and distribution. Its white color and low CaO and MgO content (≤0.05%) ensure high purity and efficiency in the production process.

One of the key product application occasions for the PDH carrier is in OLEFLEX units, where it is utilized as a catalyst support material to facilitate the production of olefins. Its thermal stability and chemical composition make it an ideal choice for maintaining optimal reaction conditions and enhancing catalyst performance.

Another common scenario for the PDH carrier is in moving bed reactors, where its high-quality alumina structure provides excellent mechanical strength and resistance to thermal fluctuations. This makes it suitable for continuous operation and ensures long-term reliability in various industrial processes.

Overall, the PDH carrier is a versatile and reliable product that meets the demanding requirements of OLEFLEX and moving bed applications. Its exceptional properties, including thermal stability, low moisture content, and high purity, make it a preferred choice for industries seeking high-performance alumina carriers.

## Customization:

Product Customization Services for the PDH Alumina Carrier: -----

Brand Name: PDH carrier

Model Number: KMP-100

Place of Origin: CHINA

Chemical Formula:  $\text{Al}_2\text{O}_3$

Color: White

Surface Area: 100-110  $\text{M}^2/\text{g}$

Mgo Content:  $\leq 0.05\%$

Sio2 Content:  $\leq 0.05\%$

Keywords: PDH, MOVING BED, Drip ball

## Support and Services:

Our Product Technical Support and Services team is dedicated to assisting with any inquiries or issues related to the PDH Alumina Carrier product. We provide expert guidance on product usage, troubleshooting, and optimization to ensure maximum performance and customer satisfaction.

Our team is equipped with extensive knowledge of the product specifications, applications, and best practices. We are committed to delivering timely and effective support to meet the needs of our customers and help them achieve their goals.

## Packing and Shipping:

Product: PDH Alumina Carrier -----

Description: High-quality alumina carrier for various industrial applications.

Packaging: Each PDH Alumina Carrier is carefully packaged in a sturdy cardboard box with protective foam inserts to ensure safe delivery.

Shipping: We offer reliable shipping services to ensure your PDH Alumina Carrier reaches you in a timely manner. Shipping options include standard ground shipping, expedited shipping, and international shipping for our global customers.

## FAQ:

**Q: What is the brand name of this alumina carrier product?** -----

A: The brand name is PDH carrier.

**Q: What is the model number of this alumina carrier?**

A: The model number is KMP-100.

**Q: Where is this alumina carrier product manufactured?**

A: This product is made in China.

**Q: What are the dimensions of the PDH carrier alumina carrier?**

A: The dimensions of the PDH carrier alumina carrier are [provide dimensions here].

**Q: Is the PDH carrier alumina carrier compatible with all types of equipment?**

A: The PDH carrier alumina carrier is designed to be compatible with a wide range of equipment, but we recommend checking compatibility specifications before purchase.



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