



## Chemical Formula $\text{Al}_2\text{O}_3$ OLEFLEX 100-110 $\text{M}^2/\text{G}$ Surface Area For Maximum Performance

Our Product Introduction

for more products please visit us on [jyalumcatalyst.com](http://jyalumcatalyst.com)

### Basic Information

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



### Product Specification

- $\text{Fe}_2\text{O}_3$  Content:  $\leq 0.02\%$
- Chemical Formula:  $\text{Al}_2\text{O}_3$
- Pore Volume:  $0.6-0.8 \text{ cm}^3/\text{g}$
- Surface Area:  $100-110 \text{ M}^2/\text{g}$
- $\text{SiO}_2$  Content:  $\leq 0.05\%$
- Color: White
- Bulk Density:  $0.6-0.65 \text{ g/cm}^3$
- Cao Content:  $\leq 0.05\%$
- Highlight: **CAS 7440-05-3 Palladium on Alumina,  
 $\text{Al}_2\text{O}_3$  PDH Alumina Carrier,  
Alumina Carrier For Catalysts**

## Product Description

### Product Description:

The PDH Alumina Carrier is a high-quality product designed for various industrial applications, offering exceptional performance and reliability. With a focus on purity and efficiency, this product boasts impressive specifications to meet the demands of modern processes. One of the key attributes of the PDH Alumina Carrier is its low Na<sub>2</sub>O content, which is maintained at a level of  $\leq 0.2\%$ . This ensures that the product is suitable for a wide range of applications where purity is essential, preventing any unwanted interactions or impurities that could compromise the process.

In addition, the Fe<sub>2</sub>O<sub>3</sub> content of the PDH Alumina Carrier is kept below  $\leq 0.02\%$ , further enhancing its suitability for critical processes where even trace amounts of impurities can have a significant impact on the final product quality.

With a surface area ranging between 100-110 M<sup>2</sup>/g, the PDH Alumina Carrier provides an extensive area for catalytic reactions and adsorption processes. This high surface area is ideal for maximizing efficiency and ensuring optimal performance in various industrial applications.

The particle size of the PDH Alumina Carrier is maintained within the range of 1.6-1.8mm, offering uniformity and consistency that is essential for applications such as MOVING BED systems and drip ball reactors. This precise particle size ensures smooth operation and effective utilization of the product in diverse processes.

Formulated with the chemical formula Al<sub>2</sub>O<sub>3</sub>, the PDH Alumina Carrier is composed of pure alumina, known for its excellent thermal and chemical stability. This robust chemical composition makes the product highly resistant to harsh operating conditions, ensuring long-term durability and reliability.

Whether used in MOVING BED reactors, drip ball systems, or other industrial processes, the PDH Alumina Carrier delivers consistent performance and exceptional results. Its superior quality and precise specifications make it a reliable choice for demanding applications that require high purity and efficiency.

Overall, the PDH Alumina Carrier is a top-tier product that combines purity, performance, and reliability to meet the evolving needs of modern industries. With its optimized attributes and exceptional chemical composition, this product is well-suited for a wide range of applications, making it a valuable asset for various industrial processes.

### Features:

**Product Name:** PDH Alumina Carrier

**Color:** White

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

**Fe<sub>2</sub>O<sub>3</sub> Content:**  $\leq 0.02\%$

**Na<sub>2</sub>O Content:**  $\leq 0.2\%$

**SiO<sub>2</sub> Content:**  $\leq 0.05\%$

### Technical Parameters:

Crystalline Phase	Q-Al <sub>2</sub> O <sub>3</sub>
Moisture Content	$\leq 1\%$
Surface Area	100-110 M <sup>2</sup> /g
Fe <sub>2</sub> O <sub>3</sub> Content	$\leq 0.02\%$
Bulk Density	0.6-0.65 G/cm <sup>3</sup>
Na <sub>2</sub> O Content	$\leq 0.2\%$
Pore Volume	0.6-0.8 Cm <sup>3</sup> /g
Particle Size	1.6-1.8mm
Sio <sub>2</sub> Content	$\leq 0.05\%$
Color	White

### Applications:

The PDH carrier, with the model number KMP-100, is a high-quality product originating from CHINA. Known for its exceptional thermal stability of up to 1200 , this alumina carrier is a versatile solution suitable for various applications.

One of the key product application occasions for the PDH carrier is in MOVING BED processes. Its white color and low bulk density of 0.6-0.65 G/cm<sup>3</sup> make it ideal for use in fluidized bed reactors where particles are in constant motion, ensuring efficient catalytic reactions. Additionally, the PDH carrier is a preferred choice for PDH (Propane Dehydrogenation) processes. With a CaO content of  $\leq 0.05\%$  and MgO content of  $\leq 0.05\%$ , this alumina carrier is designed to provide excellent performance and reliability in PDH units, such as those used in the production of propylene via OLEFLEX technology.

Whether in industrial settings or research laboratories, the PDH carrier offers exceptional thermal stability and chemical resistance, making it a trusted solution for demanding applications. Its reliable properties and consistent quality make it a valuable asset in various scenarios, ensuring optimal performance and longevity.

## Customization:

Enhance your PDH carrier with our Product Customization Services. Customize your PDH carrier (Model Number: KMP-100) with specific attributes to meet your needs:

- Brand Name: PDH carrier
- Place of Origin: CHINA
- CaO Content:  $\leq 0.05\%$
- Crystalline Phase: Q-Al<sub>2</sub>O<sub>3</sub>
- Thermal Stability: Up To 1200
- Fe<sub>2</sub>O<sub>3</sub> Content:  $\leq 0.02\%$
- Bulk Density: 0.6-0.65 G/cm<sup>3</sup>

Opt for our Product Customization Services to tailor your PDH carrier to include features like MOVING BED, Drip ball, and more to suit your specific requirements.

## Support and Services:

Our Product Technical Support and Services for the PDH Alumina Carrier product are designed to ensure optimal performance and customer satisfaction. Our team of experts is available to address any technical questions or issues that may arise during the use of the product. We provide comprehensive training and guidance to help you maximize the benefits of the PDH Alumina Carrier. Additionally, we offer maintenance services to keep your equipment in top condition and minimize downtime. Our goal is to provide you with the support you need to achieve your operational objectives efficiently and effectively.

## Packing and Shipping:

Product: PDH Alumina Carrier

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

Packaging: The PDH Alumina Carrier is packaged in sturdy cardboard boxes to ensure safe transportation.

Shipping: We offer worldwide shipping with reliable carriers to deliver the product to your location efficiently and securely.

## FAQ:

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

A: The brand name is PDH carrier.

**Q: What is the model number of this product?**

A: The model number is KMP-100.

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

A: This product is made in China.

**Q: What are the dimensions of the PDH Alumina Carrier?**

A: The dimensions of the PDH Alumina Carrier are 10 x 10 x 5 inches.

**Q: Can this carrier be used for other materials besides alumina?**

A: Yes, the PDH Alumina Carrier can also be used for other materials such as silica or zirconia.



**Qingdao Junyao Catalyst New Material Technology Co., Ltd.**



+8618254266810



jycat@qdjunyao.com.cn



jyalumcatalyst.com