



Crystalline Phase Q-Al₂O₃ PDH Alumina Carrier With Chemical Formula Al₂O₃ And Mgo Content ≤0.05%

Our Product Introduction

for more products please visit us on jyalumcatalyst.com

Basic Information

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



Product Specification

- Pore Volume: 0.6-0.8 Cm³/g
- Particle Size: 1.6-1.8mm
- Na₂O Content: ≤0.2%
- Fe₂O₃ Content: ≤0.02%
- Crystalline Phase: Q-Al₂O₃
- Thermal Stability: Up To 1200
- Surface Area: 100-110 M²/g
- Moisture Content: ≤1%
- Highlight: **CAS 7440-05-3 Palladium on Alumina,
AL₂O₃ PDH Alumina Carrier,
Alumina Carrier For Catalysts**

Product Description

Product Description:

The PDH Alumina Carrier is a high-quality product designed specifically for the petrochemical industry, particularly for use in the production of propylene by the Propane Dehydrogenation (PDH) process. This innovative alumina carrier is essential for the efficient operation of the PDH process, ensuring optimal performance and superior results.

One of the key features of the PDH Alumina Carrier is its impressive pore volume, ranging from 0.6 to 0.8 cm³/g. This significant pore volume allows for excellent absorption and retention of key components, making it an ideal choice for use as a drip ball in PDH reactors. The unique pore structure of this alumina carrier ensures maximum efficiency in the PDH process, contributing to increased productivity and cost-effectiveness.

In addition, the PDH Alumina Carrier boasts a low SiO₂ content of ≤0.05%, ensuring purity and high performance in demanding petrochemical applications. This minimal SiO₂ content helps prevent the formation of undesired by-products and ensures the overall effectiveness of the PDH process.

Furthermore, the surface area of the PDH Alumina Carrier falls within the range of 100 to 110 m²/g, providing ample surface area for catalytic reactions to take place. This optimal surface area contributes to the efficient conversion of propane to propylene in the PDH process, making the alumina carrier a crucial component for achieving high yields and product quality.

Another important attribute of the PDH Alumina Carrier is its low moisture content, which is ≤1%. This low moisture content helps maintain the stability and effectiveness of the alumina carrier during operation, ensuring consistent performance and prolonging its service life in PDH reactors.

Additionally, the Na₂O content of the PDH Alumina Carrier is kept at ≤0.2%, further enhancing its suitability for use in PDH applications. The low Na₂O content minimizes potential catalyst deactivation and ensures the reliability of the alumina carrier in demanding PDH processes.

In summary, the PDH Alumina Carrier is a top-of-the-line product that meets the stringent requirements of the petrochemical industry, particularly in the production of propylene through the PDH process. Its exceptional pore volume, low SiO₂ content, optimal surface area, low moisture content, and controlled Na₂O content make it an indispensable component for achieving high performance and efficiency in PDH reactors. Trust in the PDH Alumina Carrier for superior results and seamless operation of your OLEFLEX production processes.

Features:

Product Name: PDH Alumina Carrier

Cao Content: ≤0.05%

Crystalline Phase: Q-Al₂O₃

Thermal Stability: Up To 1200

Sio₂ Content: ≤0.05%

Moisture Content: ≤1%

Technical Parameters:

Mgo Content	≤0.05%
Sio ₂ Content	≤0.05%
Crystalline Phase	Q-Al ₂ O ₃
Surface Area	100-110 M ² /g
Pore Volume	0.6-0.8 Cm ³ /g
Moisture Content	≤1%
Fe ₂ O ₃ Content	≤0.02%
Na ₂ O Content	≤0.2%
Chemical Formula	Al ₂ O ₃
Particle Size	1.6-1.8mm

Applications:

The PDH carrier, model KMP-100, is a versatile product designed for various industrial applications. Its high-quality attributes make it suitable for a wide range of occasions and scenarios:

1. Drip ball manufacturing: The PDH carrier from CHINA is an ideal choice for producing drip balls used in various chemical processes. Its low Fe₂O₃ content of ≤0.02% ensures the purity of the final product.
2. OLEFLEX production: The PDH carrier is perfect for use in OLEFLEX production due to its bulk density of 0.6-0.65 G/cm³ and surface area of 100-110 M²/g. These characteristics help in optimizing the production process and enhancing product quality.
3. Catalyst support: With a low Sio₂ content of ≤0.05% and Na₂O content of ≤0.2%, the PDH carrier is an excellent choice for catalyst support applications. Its high surface area and controlled composition make it a reliable option for supporting catalysts in various chemical reactions.
4. Petrochemical industry: The PDH carrier is widely used in the petrochemical industry for processes such as polymerization and catalytic cracking. Its exceptional attributes ensure superior performance and efficiency in demanding industrial environments.
5. Environmental applications: The PDH carrier can also be utilized in environmental applications such as gas purification and wastewater

treatment. Its high purity and stability make it a valuable asset in maintaining environmental standards.

Overall, the PDH carrier offers exceptional performance and reliability across a range of applications, making it a preferred choice for industries requiring high-quality materials. Its origin in CHINA, along with its specific attributes like bulk density, Fe₂O₃ content, and surface area, make it a standout product for diverse industrial needs.

Customization:

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

- Brand Name: PDH carrier
- Model Number: KMP-100
- Place of Origin: CHINA
- Fe₂O₃ Content: ≤0.02%
- Na₂O Content: ≤0.2%
- SiO₂ Content: ≤0.05%
- Bulk Density: 0.6-0.65 g/cm³
- Thermal Stability: Up To 1200

Description: Customization services available for PDH carrier, ideal for MOVING BED applications, such as OLEFLEX and OLEFLEX processes.

Packing and Shipping:

Product: PDH Alumina Carrier -----

Description: A high-quality alumina carrier designed for use in PDH processes.

Packaging: Each PDH Alumina Carrier is carefully wrapped in protective packaging to prevent any damage during transit. The product is then placed in a sturdy cardboard box for shipping.

Shipping: We offer fast and reliable shipping services to ensure that your PDH Alumina Carrier reaches you in a timely manner. All shipments are tracked for your convenience, and we take extra care to package the product securely to prevent any breakage.

FAQ:

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

A: The brand name of this product is PDH carrier.

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

A: The model number of this product is KMP-100.

Q: Where is this alumina carrier product manufactured?

A: This product is manufactured in China.

Q: What is the material used in making this alumina carrier product?

A: The alumina carrier is made of high-quality alumina ceramic material.

Q: Is the alumina carrier product suitable for high-temperature applications?

A: Yes, this alumina carrier product is designed to withstand high temperatures, making it suitable for various industrial applications.



Qingdao Junyao Catalyst New Material Technology Co., Ltd.



+8618254266810



jycat@qdjunyao.com.cn



jyalumcatalyst.com