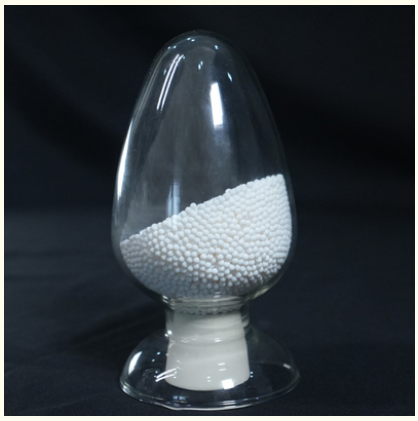
PDH Alumina Carrier 1.6-1.8mm Sphere 100-110m2/g Surface Area

Our Product Introduction

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

- Chemical Composition: Al2O3 ≥ 97%
- Thermal Stability: ≥900
- Particle Size: 1.6-1.8mm
- Advantages: High Activity, Good Selectivity, Long Service Life
- Shape: Sphere
- Bulk Density: 0.6-0.7g/cm3
- Surface Area: 100-110m2/g
- Application: Propane Dehydrogenation (PDH)
- Highlight: **PDH alumina carrier 1.6-1.8mm particle size**, **alumina adsorption carrier 100-110m2/g surface area** , **PDH catalyst support 0.6-0.7g/cm3 bulk density**

Product Description

Product Description:

The PDH Alumina Carrier is a crucial component in the OLEFLEX process for Propane Dehydrogenation (PDH), designed to provide excellent performance and efficiency in the conversion of propane to propylene. With a Bulk Density ranging from 0.6 to 0.7g/cm3, this product offers optimal handling and processing characteristics for various industrial applications.
Manufactured with Particle Size specifications of 1.6 to 1.8mm, the PDH Alumina Carrier ensures uniformity and consistency in the catalyst bed, promoting ideal flow dynamics and reaction kinetics during the PDH process. The Chemical Composition of this carrier boasts a high Al2O3 content of ≥ 97%, guaranteeing superior thermal stability and catalytic activity under the demanding conditions of propane dehydrogenation.
Engineered specifically for the OLEFLEX technology, the PDH Alumina Carrier plays a critical role in the production of propylene, a key building block in various industries such as plastics, chemicals, and fuels. Its Surface Area of 100 to 110m2/g enhances the catalytic efficiency and promotes the desired conversion rates, resulting in higher yields of propylene while maintaining exceptional product quality.
Utilizing the PDH Alumina Carrier in the OLEFLEX process offers numerous advantages, including reliable performance, cost-effectiveness, and environmental sustainability. The carrier's optimized properties ensure prolonged catalyst life, reducing downtime and maintenance costs associated with catalyst replacement.
In conclusion, the PDH Alumina Carrier serves as a premium solution for propane dehydrogenation applications, meeting the stringent requirements of the PDH process and enabling the efficient production of propylene. Its superior Bulk Density, Particle Size, Chemical Composition, and Surface Area make it an indispensable component in the OLEFLEX technology, driving productivity and profitability for industries reliant on propylene production.

Features:

PDH Alumina Carrier
Particle Size: 1.6-1.8mm
Crushing Strength: ≥45N
Advantages:
High Activity
Good Selectivity
Long Service Life
Thermal Stability: ≥900
Chemical Composition: Al2O3 ≥ 97%

Technical Parameters:

Shape	Sphere
Crushing Strength	≥45N
Bulk Density	0.6-0.7g/cm3
Surface Area	100-110m2/g
Color	White
Thermal Stability	≥900
Chemical Composition	Al2O3 ≥ 97%
Advantages	High Activity, Good Selectivity, Long Service Life
Particle Size	1.6-1.8mm
Application	Propane Dehydrogenation (PDH)

Applications:

PDH carrier is a high-quality alumina carrier product originating from CHINA, with a minimum order quantity of 1 ton. The product is versatile and finds various application occasions and scenarios due to its exceptional attributes.
Product Attributes:
Thermal Stability: PDH carrier exhibits excellent thermal stability of ≥900 , making it suitable for high-temperature applications.
Crushing Strength: With a crushing strength of ≥45N, this product is robust and reliable in various industrial processes.
Particle Size: The particle size of PDH carrier ranges from 1.6-1.8mm, ensuring uniformity and efficiency in its usage.
Bulk Density: PDH carrier has a bulk density of 0.6-0.7g/cm3, providing good flow characteristics and ease of handling.
Surface Area: With a surface area of 100-110m2/g, this product offers a large contact area for enhanced performance.
Product Application Occasions and Scenarios:
The PDH carrier is ideal for various industrial processes, including but not limited to:
MOVING BED Applications: The high crushing strength and thermal stability make PDH carrier suitable for moving bed applications where the material needs to withstand dynamic conditions.
MOVING BED Systems: PDH carrier can be effectively used in moving bed systems to facilitate efficient mass transfer

processes and chemical reactions.

Drip ball Systems: Due to its particle size and surface area, PDH carrier is well-suited for drip ball systems where uniform distribution and high surface contact are essential.

Packaging Details: PDH carrier offers flexible packaging options based on customer demand, including drum or ton pack, ensuring convenience and suitability for different requirements.

Supply Ability: The product has a supply ability of 2000 tons per year, guaranteeing a consistent and reliable source for your industrial needs.

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
Surface Area: 100-110m2/g
Color: White
Shape: Sphere
Thermal Stability: ≥900
Bulk Density: 0.6-0.7g/cm3

FAQ:

Q: What is the brand name of this alumina carrier product?
A: The brand name of this alumina carrier product is PDH carrier.
Q: Where is this alumina carrier product manufactured?
A: This alumina carrier product is manufactured in China.
Q: What is the minimum order quantity for this alumina carrier product?
A: The minimum order quantity for this alumina carrier product is 1 ton.
Q: How is this alumina carrier product packaged?
A: This alumina carrier product is packaged according to customer demand, either in drums or ton packs.
Q: What is the supply ability of this alumina carrier product?
A: The supply ability of this alumina carrier product is 2000 tons per year.

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