



## Thermal Stability $\geq 570^{\circ}\text{C}$ CCR Alumina Carrier with Crushing Strength $\geq 40\text{N}$ and Surface Area $190\text{-}210\text{m}^2/\text{g}$

### Our Product Introduction

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#### Basic Information

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



#### Product Specification

- Abrasion Resistance: Excellent
- Water Absorption: Low
- Chemical Stability: Acid And Alkali Resistant
- Thermal Conductivity: High
- Electrical Insulation: Excellent
- Shape: Sphere
- Mechanical Strength: High
- Surface Area:  $190\text{-}210\text{m}^2/\text{g}$
- Highlight: **acid resistant CCR alumina carrier, alkali resistant alumina carrier with thermal stability, high crushing strength CCR alumina carrier**

## Product Description

### Product Description:

The CCR Alumina Carrier is a high-quality product designed to meet the demanding requirements of various industrial processes. This specialized carrier is a crucial component in many catalytic processes and plays a key role in enhancing efficiency and performance. Let's delve into the key attributes of this Alumina catalyst carrier for CCR:

#### Abrasion Resistance: Excellent

One of the standout features of the CCR Alumina Carrier is its exceptional abrasion resistance. This attribute ensures longevity and durability, making it ideal for applications where wear and tear are common. The carrier's ability to withstand abrasion helps maintain its structural integrity over prolonged use, contributing to reliable and consistent performance.

#### Water Absorption: Low

The CCR Alumina Carrier boasts low water absorption properties, which are crucial in various catalytic processes. Low water absorption helps prevent undesirable reactions that may impact the efficiency of the catalyst. This characteristic also aids in maintaining the stability and effectiveness of the carrier, ensuring optimal performance in moisture-sensitive applications.

#### Shape: Sphere

The spherical shape of the CCR Alumina Carrier is designed to maximize surface area and facilitate efficient contact between the catalyst and reactants. This shape promotes uniform distribution and exposure of the active components, leading to enhanced catalytic activity and improved conversion rates. The spherical design also allows for better fluid dynamics within the reactor, optimizing mass transfer and overall performance.

#### Chemical Stability: Acid And Alkali Resistant

Chemical stability is a critical requirement for catalyst carriers in harsh environments, and the CCR Alumina Carrier excels in this aspect. It is specifically engineered to withstand exposure to acids and alkalis, ensuring compatibility with a wide range of chemical processes. The carrier's robust chemical resistance minimizes degradation and maintains performance integrity, making it a reliable choice for challenging applications.

#### Pore Size: Medium

The medium pore size of the CCR Alumina Carrier strikes a balance between surface area and diffusion characteristics, making it versatile for a variety of catalytic reactions. This pore size enables effective adsorption and diffusion of reactants and products, promoting efficient mass transfer within the catalyst bed. The medium pore structure also contributes to enhanced catalytic performance and selectivity, making the carrier suitable for diverse industrial applications.

In conclusion, the CCR Alumina Carrier stands out as a premium catalyst carrier that embodies excellence in abrasion resistance, low water absorption, spherical shape, acid and alkali resistance, and medium pore size. Its superior quality and tailored attributes make it a preferred choice for demanding catalytic processes across industries. Invest in the CCR Alumina Carrier for reliable performance and exceptional results in your catalytic applications.

### Features:

**Product Name:** CCR Alumina Carrier

**Thermal Conductivity:** High

**Crushing Strength:** ≥40N

**Material:** Alumina

**Water Absorption:** Low

**Surface Area:** 190-210m<sup>2</sup>/g

### Technical Parameters:

Material	Alumina
Electrical Insulation	Excellent
Thermal Stability	≥570
Water Absorption	Low
Crushing Strength	≥40N
Pore Size	Medium
Thermal Conductivity	High
Abrasion Resistance	Excellent
Mechanical Strength	High
Chemical Stability	Acid And Alkali Resistant

### Applications:

CCR alumina carrier, also known as alumina catalyst carrier, is a versatile product that can be used in various applications and scenarios due to its excellent attributes. The CCR carrier, model number SCR-A/B, is manufactured in CHINA and is available with a minimum order quantity of 1 ton.

With its chemical stability, the CCR alumina carrier is highly resistant to acids and alkalis, making it suitable for use in a wide range of industrial processes. Its surface area of 190-210m<sup>2</sup>/g and medium pore size make it an ideal choice for applications requiring efficient

adsorption and catalytic activity.

The low water absorption property of the CCR alumina carrier ensures minimal interference with reactions and processes, leading to enhanced performance and product quality. Additionally, its thermal stability of  $\geq 570$  enables it to withstand high temperatures, making it suitable for applications requiring elevated operating conditions.

Packaging details for the CCR alumina carrier can be customized based on customer demand, with options including drum or ton pack.

With a supply ability of 2000 tons per year, customers can rely on a consistent and reliable source of this high-quality product.

Some common product application occasions and scenarios for the CCR alumina carrier include its use as a catalyst support in chemical reactions, a drip ball in oil and gas processing, and a carrier material in various catalytic processes. Its versatility and performance make it a preferred choice for industries seeking efficient and reliable catalyst carriers.

## Customization:

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

Brand Name: CCR carrier

Model Number: SCR-A/B

Place of Origin: CHINA

Minimum Order Quantity: 1t

Packaging Details: Customer demand, drum or ton pack

Supply Ability: 2000t/year

Electrical Insulation: Excellent

Thermal Conductivity: High

Crushing Strength:  $\geq 40N$

Shape: Sphere

Chemical Stability: Acid And Alkali Resistant

Oil column, Oil column, Oil column

## FAQ:

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

A: The brand name is CCR carrier.

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

A: The model number is SCR-A/B.

Q: Where is the alumina carrier manufactured?

A: The alumina carrier is manufactured in China.

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

A: The minimum order quantity is 1 ton.

Q: What are the packaging details available for the alumina carrier?

A: The packaging details can be customized based on customer demand and can be packed in drums or tons.

Q: What is the annual supply ability of the alumina carrier?

A: The supply ability is 2000 tons per year.



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