

Lightweight Ceramic Honeycomb High Performance Silicon Carbide Honeycomb Industrial

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Rongsheng Ceramic Honeycomb
- Minimum Order Quantity: 100 Pieces
- Price: 200-800USD
- Packaging Details: packed on wooden pallets, with water-proof cover, and tightened with plastic/steel bandages
- Delivery Time: 20-30DAYS
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month



Product Specification

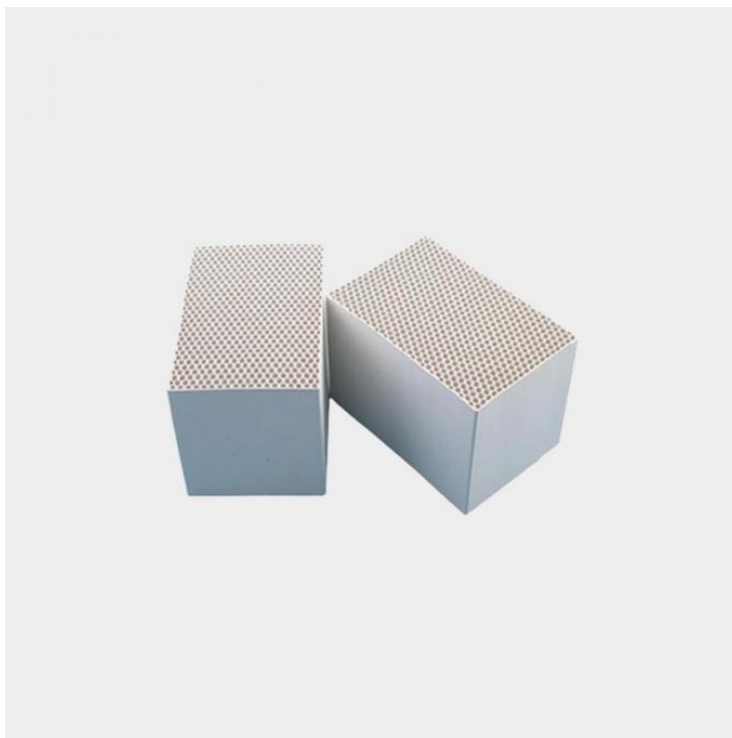
- Chemical Resistance: High
- Color: White
- Durability: High
- Fire Resistance: High
- Flexibility: High
- Heat Resistance: High
- Moisture Resistance: High
- Name: Other Materials
- Resistance: High
- Texture: Smooth
- Type: Non-metallic
- UV Resistance: High
- Weight: Lightweight
- Highlight: **Lightweight Ceramic Honeycomb, Ceramic Honeycomb High Performance, Silicon Carbide Honeycomb Industrial**

Product Description

Description of Lightweight and High-performance Ceramic Honeycomb For Industrial Use

Ceramic honeycomb is a type of ceramic material with a structure similar to a honeycomb. It is made up of many small, hexagonal cells that are aligned parallel to each other. Ceramic honeycomb can be made from a variety of different ceramic materials, including cordierite, alumina, and mullite.

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Features of High-performance Ceramic Honeycomb

High thermal conductivity
High mechanical strength
Low density

Application of High-performance Ceramic Honeycomb

Catalytic converters: Ceramic honeycomb is used as a substrate in catalytic converters to support the catalyst material. The honeycomb structure provides a large surface area for the catalyst, which improves its efficiency.

Heat exchangers: Ceramic honeycomb can be used as a heat exchanger to transfer heat between two fluids. The honeycomb structure provides a large surface area for heat transfer, which improves the efficiency of the heat exchanger.

Filters: Ceramic honeycomb can be used as a filter to remove pollutants from fluids and gases. The honeycomb structure provides a large surface area for filtration, which improves the efficiency of the filter.

Other applications: Ceramic honeycomb is also used in a variety of other applications, such as infrared heaters, kiln furniture, and refractory materials.

Ceramic honeycomb is a versatile and high-performance material with a wide range of applications. It is expected to continue to grow in popularity as new and innovative uses are developed.

Parameter of High-performance Ceramic Honeycomb

Property	Material			
	Corundum Mullite	Mullite	Cordierite mullite	Corundum
Compressive strength MPa	C-axis direction ≥ 20 A (B) axis direction ≥ 4	C-axis direction ≥ 20 A (B) axis direction ≥ 4	C-axis direction ≥ 20 A (B) axis direction ≥ 4	C-axis direction ≥ 20 A (B) axis direction ≥ 4
Apparent density g/cm ³	0.9	0.6~1.1	0.5~0.9	0.5~0.9
Coefficient of thermal expansion 1/ RT~800	$\leq 6 \times 10^{-6}$	$\leq 5.5 \times 10^{-6}$	$\leq 3 \times 10^{-6}$	$\leq 3 \times 10^{-6}$
Thermal shock resistance temperature	≥ 300	≥ 300	≥ 400	≥ 400
Refractoriness under load 0.1MPa	≥ 1500	≥ 1450	≥ 1350	≥ 1350
Specific heat capacity J/(kg·K)	≥ 800	≥ 800	≥ 750	≥ 750
Size: 100×100×100, 100×150×150, 150×150×150, 150×150×300(mm) Hole: 25×25, 40×40, 43×43, 50×50, 60×60 Hole type: square, rectangle, regular triangle				



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