

Durability Honeycomb Ceramic Regenerator For Regenerative Heating Furnace

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Corundum Mullite, Mullite, Cordierite mullite, Cordierite
- Minimum Order Quantity: 1 Ton
- 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: TT L/C



Product Specification

- Acoustic Properties: Excellent
- Availability: High
- Chemical Resistance: Excellent
- Color: White
- Cost: Moderate
- Durability: High
- Electrical Conductivity: Low
- Flexibility: High
- Name: Other Materials
- Recyclability: High
- Resistance: High
- Texture: Smooth
- Thermal Conductivity: Low
- Type: Non-metallic
- Weight: Light



More Images

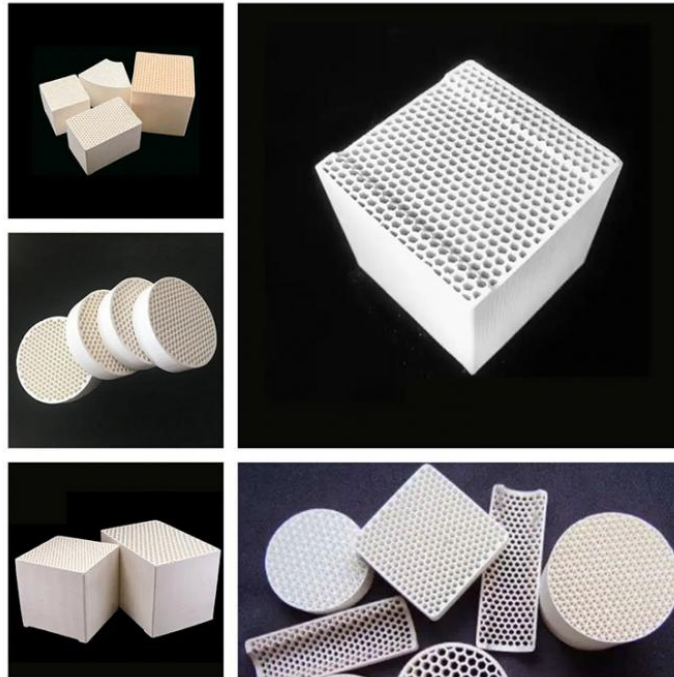


Product Description

Honeycomb Ceramic Regenerator For Regenerative Heating Furnace

The honeycomb ceramic regenerator, also known as ceramic regenerator and ceramic honeycomb, is a key component of regenerative burners, widely used in steel, machinery, building materials, petrochemical, non-ferrous metal smelting and other industries, such as push-type heating furnace, step-type heating furnace, heat treatment furnace, ladle/tundish roaster, forging furnace, melting furnace, soaking furnace, radiant tube burner, hood furnace, blast furnace hot blast stove, oil and gas boiler; various ceramic kilns in the building materials industry, various glass kilns; various tubular heating furnaces, cracking furnaces and others in the petrochemical industry furnaces.

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Advantages of Ceramic Honeycomb

Honeycomb ceramic regenerators are made from a variety of different ceramic materials, such as cordierite, mullite, and silicon carbide. The choice of ceramic material depends on the specific application and the operating temperature requirements.

Honeycomb ceramic regenerators have a number of advantages over other types of heat exchangers, including:

High heat transfer efficiency

Low flow resistance

Good thermal shock resistance

Long lifespan

Application

Honeycomb ceramic regenerators are widely used in a variety of industries, including:

Iron and steel

Metal processing

Petrochemicals

Ceramics

Glass

Food and beverage

Power generation

Honeycomb ceramic regenerators are an important energy-saving technology that can help to reduce fuel consumption and emissions.

Parameter of Honeycomb Ceramic Regenerator

Property	Material			
	Corundum Mullite	Mullite	Cordierite mullite	Cordierite
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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