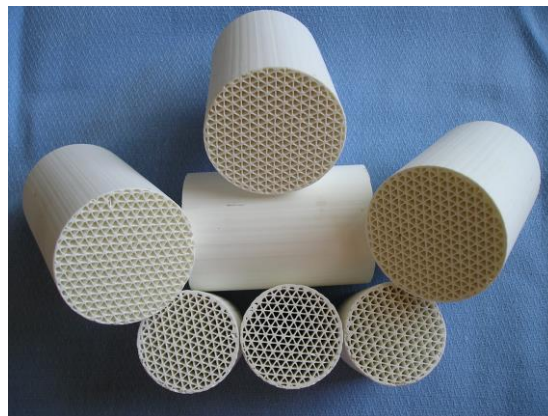
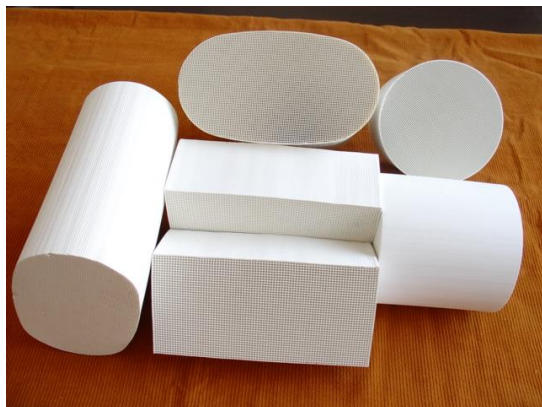


**Ceramic honeycomb
Catalytic Converter Substrate****Product:****Catalytic Converter Substrate**

As filtrating substrate, ceramic honeycombs are generally utilized in food processing, environmental industry, metallurgical industry etc. for filtering particulate in industrial waste gas and bubble in liquid of molten melt and making the molten melt laminar so as to increase casting yields, also filtering impurities in juice, dextrose and sucrose etc..

Inspection Items	Unit	Test Result
SiO ₂	%	51.12
Al ₂ O ₃	%	34.06
Fe ₂ O ₃	%	0.32
CaO	%	0.30
MgO	%	12.85
TiO ₂	%	0.24
K ₂ O	%	0.52
Na ₂ O	%	0.28
Water-absorbing rate	%	23.4
Unit weight	g/Unit	460
Wall thickness	mm	0.18
Soften temperature	°C	1410
Cordierite crystalline phase	%	96

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Coefficient of Thermal Expansion	$^{\circ}\text{C}^{-1}$	13.4×10^{-7}
Compression Strength	MPa	18.5
Thermal stability (620 $^{\circ}\text{C}$ -20 $^{\circ}\text{C}$)		The temperature between 620 $^{\circ}\text{C}$ and 20 $^{\circ}\text{C}$. The sample test one time without cracking and spalling and other damage phenomena

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Main models and dimension:

1).OVALS

TYPE	SIZE(MM)	HOLE SHAPE	CPSI
1	T146.8 × 77 × 86.4	Square	400
2	T120.6 × 80 × 152.4	Square	400
3	T169.7 × 80.7 × 76.2	Square	400
4	T144.8 × 81.3 × 152.4	Square	400
5	T144.8 × 81 × 76.2	Square	400
6	169.7 × 80.7 × 101.6	Square	400
7	T144.8 × 81.3 × 100	Square	300
8	T127 × 63.5 × 107	Square	300
9	T144.8 × 81.3 × 70	Square	300
10	T144.8 × 81.3 × 150	Square	300

2). Race Track

TYPE	SIZE(MM)	HOLE SHAPE	CPSI
1	P120 × 81 × 76.2	Square	400
2	P120 × 80 × 150	Square	400
3	P144 × 68 × 150	Square	400
4	P125 × 80 × 100	Square	400

3). Round

TYPE	SIZE(MM)	HOLE SHAPE	CPSI
1	φ83 × 85	Square	400
2	φ100 × 100	Square	400
3	φ130 × 130	Square	400
4	φ118 × 150	Square	400
5	φ107 × 100	Square	400
6	φ150 × 75	Square	400
7	φ 83 × 125	Square	400
8	φ150 × 150	Square	300
9	φ 120 × 100	Square	300

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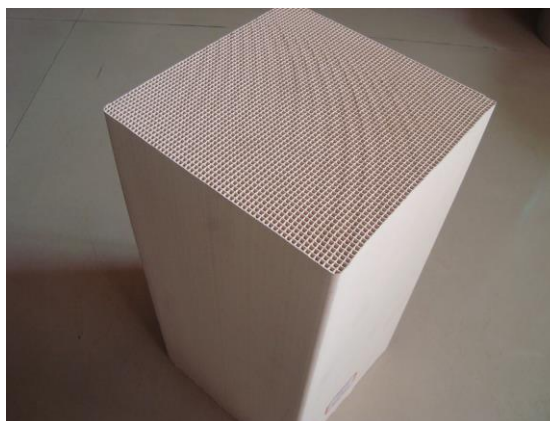
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10	$\phi 101.6 \times 100$	Square	300
11	$\phi 94 \times 100$	Square	300
12	$\phi 85 \times 70$	Square	300

Ceramic Honeycomb as heatexchange media (for RTO)

Product Introduction

Picture:



Ceramic Honeycomb heat accumulation substrate has low heat expansion coefficient, large surface area, good heat stability and anticorrosion.

- 1、Nox purification system in the smoke of the thermal power plant;
- 2、The harmful gas purification system in rubbish burning;
- 3、Poison gas purification system in chemical and mining industries. The slag filter for casting production in the metallurgical industry, The catalyst substrate, Stuffing material for chemical industry columns and Contact combustion.

Dimension and other physical properties

Size (mm)	Channels (NxN)	Hole density (cpsi)	Wall thickness (mm)	Channel width (mm)	Surface area (m2/m3)
150×150×300	25×25	18	1.0	4.90	574
150×150×300	40×40	46	0.73	3.00	884
150×150×300	43×43	50	0.75	2.80	932
150×150×300	50×50	72	0.6	2.40	1082
150×150×300	59×59	100	0.43	2.10	1298

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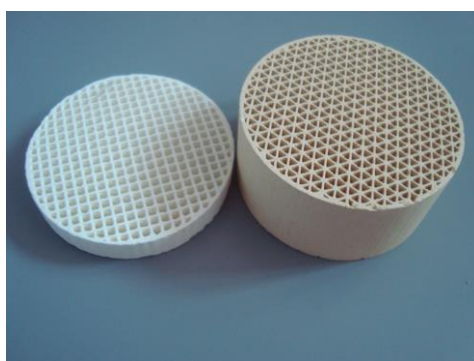
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Honeycomb Ceramic

filtrating substrate

Product: Filtrating substrate

Material: Cordierite



3) As filtrating substrate, ceramic honeycombs are generally utilized in food processing, environmental industry, metallurgical industry etc. for filtering particulate in industrial waste gas and bubble in liquid of molten melt and making the molten melt laminar so as to increase casting yields, also filtering impurities in juice, dextrose and sucrose etc..

Inspection Items	Unit	Test Result
Water-absorbing rate	%	20.6
fire resistant degree	°C	1500
Coefficient of Thermal Expansion	°C ⁻¹	1.2×10 ⁻⁶
Compression Strength	MPa	29.8
Thermal stability		The temperature between 870°C and 20°C. The sample test one time without cracking and spalling and other damage phenomena