

ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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Zirconia Foam Ceramic Filter



1,Introduction: Zirconia Foam Ceramic Filter is a three-dimensional network structure, with the maximum service temperature of 1760 °C, which can filter out the micron level slag, improve the surface hardness, tensile and fatigue resistance of the casting, and effectively control the secondary oxidation of the casting. The product is made of zirconia based ceramic slurry evenly applied on the carrier framework with three-dimensional network structure and connected pores, and then dried, solidified and calcined at high temperature.

2,Application field: used for filtering various steel castings, large iron castings, copper castings, non-ferrous alloy castings, magnetic materials

3, The function of the product in the use process:

- 1) High efficiency filtration of slag, refractory debris, metal particles and impurities to reduce tool wear during casting processing
- 2) Make the structure of the casting even, so as to improve the surface hardness, tensile strength, fatigue resistance and other mechanical properties of the casting
- 3) The three-dimensional mesh structure has a good rectifying effect on metal turbulence and a good control effect on secondary oxidation
- 4) The casting system is simplified and the cavity utilization rate is increased
- 5) Clean the casting surface, shorten cleaning time and reduce machining allowance

4, Product specification and flux data

Product specification mm	Maximum filter weight kg
50*50*22	30
75*50*22	40

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75*75*22	60
100*75*22	80
100*100*22	100
φ 50*22	18
φ 70*22	50
φ 90*22	70

5,Common specifications : φ 50*20, φ 70*22, φ 90*25,50*50*22,75*75*25,125*125*25.

6, Common porosity:10PPI,20PPI

7, Main technical parameters of the product

ITEM	UNIT	TECHNCIAL INDEX
Main material		ZrO2
Working temperature	℃	≥1700
Pore density	PPI	10.20
Porosity	%	80-90
Bending strength	Mpa	≥1.0
Compressive strength	Mpa	≥1.75
Density	g/cm ³	0.7-0.85
Color		yellow

8.Good feedback of product use effect,the products have been exported to South Korea, Russia,Morocco

9.We are a professional supplier, who can provide customers with free product technology, use and other issues.

Do you want to find a professional supplier of refractory products?

Do you want to find a professional supplier of graphite electrodes?

Do you want to find a stable and credible supplier?

Then let's contact with jinggan company

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