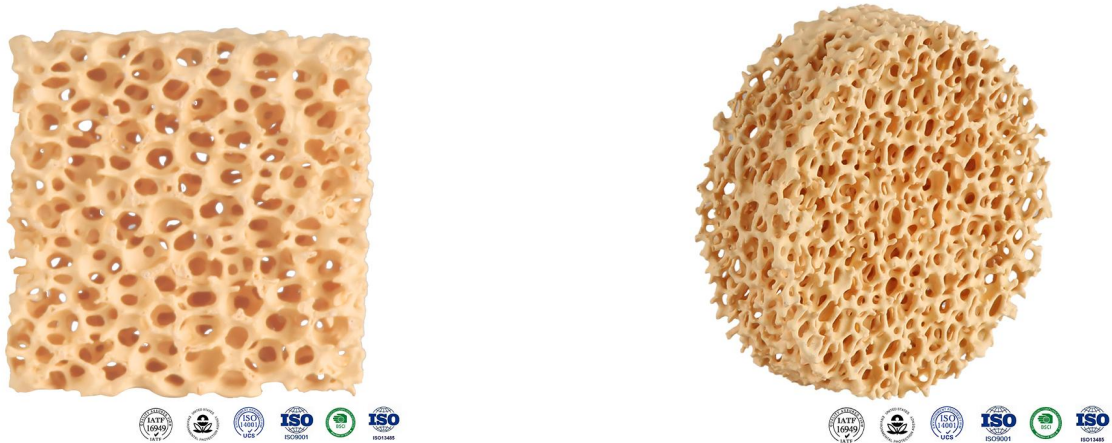


Zirconia Ceramic Foam Filter



Zirconia ceramic foam filter is the most powerful and effective filtration technology to ensure high quality castings for molten steel metal industry. It apply to purge solution of carbon steel, steel alloy and stainless steel, it can endure require of technology of steel and get rid of foreign matter and materials of corroded model. It can also drop turbulent and reduce twice oxidized foreign matter.

Zirconia ceramic foam filters are made from zirconia- toughened alumina (Al_2O_3). Zirconia ceramic foam filters is cream in color with no chemical binders. It has strong resistance against thermal shock and has proven effective at pouring temperatures up to $1700^{\circ} C$. It is for in-mold, tundish, pouring cup or baffle-type filtration.

1、 Zirconia ceramic foam filter advantage:

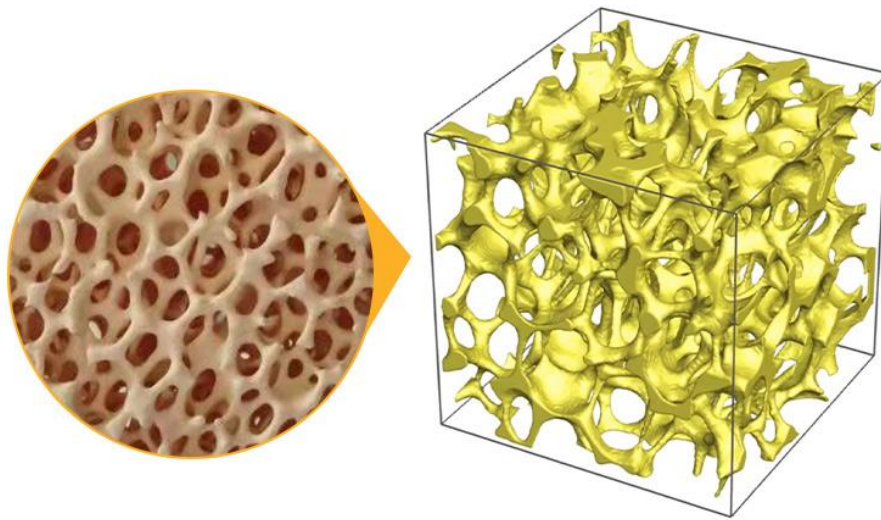
- Purge solution steel casting
- Improve accepted rate of steel casting
- Reduce foreign matter of steel casting
- Drop twice oxidized flaw
- Reduce second-face flaw after machine process

2、Zirconia ceramic foam filter technical data

Item	Index
Chemical composition	ZrO ₂ , SiO ₂
Porosity(%)	80~90%
Working Temperature	≤1700°C
Bending Strength(Mpa)	1.0
Compression Strength(Mpa)	1.2
Thermal Shock Resistance	1100°C---room temperature 6 times

3、Zirconia ceramic foam filter filtration capacity

Size (mm)	Flow Rate (kg/s)		Capacity (kg)
	Carbon Steel	Alloyed Steel	
40×40×20	2	2.5	32
50×50×22	3	4	50
55×55×22	4	5	55
60×60×22	3	4	70
60×60×25	3	4	70
75×75×25	5	6.5	105
100×100×25	7	10	190
150×150×30	17	22	420
Dia 50×22	2	3	40
Dia 50×25	1.5	2.5	40
Dia 60×25	2	3.5	50
Dia 70×25	3	4.2	70
Dia 75×25	4	5.5	85
Dia 90×25	6	8	115
Dia 100×25	7	9	145
Dia 120×25	11	14	210
Dia 150×30	12.5	15	330



10PPI/20PPI/30PPI