

# Ceramic Foam Filters



The delivery program of **The Insulcon Group**, specialist in high temperature resistant materials, is being used in the Primary-, Secondary- as well as the Non-Ferrous Foundry Industry.

One of the features within our delivery program for the non-ferrous Industry are our Ceramic Foam Filters

*Using the right High Temperature Materials will effect your productivity in a positive way!*

Insulcon's specially designed Ceramic Foam Filters are made of the basic raw material Aluminium Oxide. They are manufactured with porosities varying from 10 to 60 pores per inch (PPI). Also combo sets are made in 20-30 PPI and other selections are possible. Different sizes and custom-made filters are manufactured according specifications.

#### Features:

- A homogeneous pore structure
- High surface strength
- Temperature resistant up to 1100°C
- Excellent resistance against chemicals used in foundries

Compression strength: min 140N/cm<sup>2</sup>

#### Typical level of inclusion removal efficiency

Filter pore size Ppi	Typical filtration efficiency: larger than			Priming head Inches
	20 microns(%)	50 microns(%)	100 microns(%)	
20	22	51	83	4
30	41	77	97	6
40	60	92	>99	8
50	75	98	>99,9	10

#### CONTACT

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# Ceramic Foam Filters

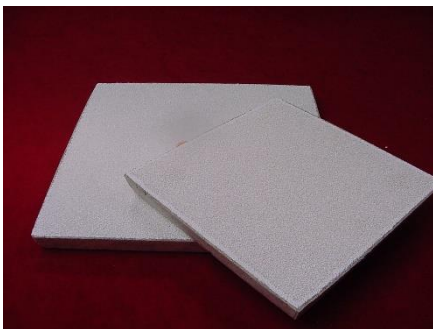


## Technical data:

Al <sub>2</sub> O <sub>3</sub>	min 80,0%
P <sub>2</sub> O <sub>5</sub>	max 9,0%
CaO	max 0,2%
SiO <sub>2</sub>	max 9,5%
Fe <sub>2</sub> O <sub>3</sub>	max 0,2%
Na <sub>2</sub> O	max 1,0%

## Capacity:

Sizes	Capacity	Flow Rate
178 x 178 x 51 mm	5 ton	20-60 kg/min
228 x 228 x 51 mm	10 ton	40-120 kg/min
305 x 305 x 51 mm	15 ton	80-240 kg/min
381 x 381 x 51 mm	25 ton	120-360 kg/min
432 x 432 x 51 mm	35 ton	160-480 kg/min
508 x 508 x 51 mm	45 ton	230-690 kg/min



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