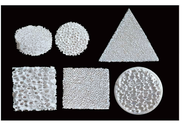
沧州赛福陶瓷新材料有限公司
Cangzhou Sefu Ceramic New Materials Co.,Ltd.

ALUMINA CERAMIC FOAM FILTER

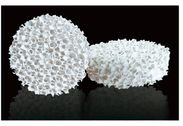
氧化铝泡沫陶瓷过滤器



应用领域（Application）：

铝合金金属液的过滤

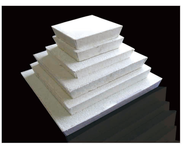
Alumina ceramic foam filters are designed for filtration of aluminum and aluminum alloy .



产品特点（Features）：

- 有效去除铝液中的夹杂物、降低废品率
- 提高表面质量、提高产品性能
- 改善显微组织

- Effectively remove the inclusions and reduce the scrap rate .
- Improve surface quality and product performance.
- Improve microstructure.



性能指标（Properties）：

孔密度 Pore Density (PPI)	10~40
通孔率 Porosity (%)	80~90
使用温度 Operating temperature(℃)	≤1100
常温弯曲强度 Bending Strength (MPa)	≥0.6
常温压缩强度 Compression Strength (MPa)	≥0.8
抗热震性（由1100℃） Thermal Shock Resistance(times/1100℃)	6

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EXCELLENT FILTER FOR SPECIAL REQUIREMENTS

满足特殊需求的卓越性能过滤网

应用领域（Application）：

用于航空航天工业的氧化铝过滤网，可用在要求最严格的应用工艺领域，有双孔、包边、不同的孔径和各种尺寸及形状可供选择。

It is used in aerospace industry, also can be used in most stringent requirements field. There are binding, different pore , different sizes and shapes available.

优势（Advantage）：

- 能够有效地捕获铝合金的夹杂物
- 提供多种特殊设计，可根据客户需求定制

- Able to capture inclusions in aluminum metal liquid.
- It can be customized according to customer demand.

双重网孔过滤网（Double mesh filter）：

我公司可生产双重网孔过滤网，即在一片过滤网上有两层不同大小的孔径，可以一次性双重过滤金属。在入口面的较粗大孔径的过滤网片，可保护在出口面较细孔径的过滤网片。双重网孔过滤网可有任何孔径尺寸的组合。

Our company can produce double mesh filter. Namely two layers of different mesh in a sheet of filter can one-time double filter metal liquid. The filter with a larger mesh of inlet surface can protect the filter with a small mesh of the outlet surface. It can have any combination of different pore.

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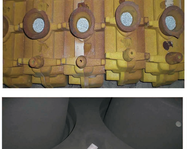
WORKING PRINCIPLE AND APPLICATION

产品的工作原理和应用

产品工作原理（Working principle）

产品应用（Application）



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CERAMIC FOAM FILTER USING EFFECT

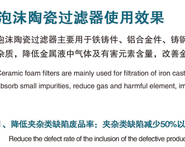
泡沫陶瓷过滤器使用效果

泡沫陶瓷过滤器主要用于铁铸件、铝合金件、铸钢件等的过滤，有效去除金属液中的大块夹杂物，吸附细小杂质，降低金属液中气体及有害元素含量，改善金属基体组织，提高铸件机械性能。

Ceramic foam filters are mainly used for filtration of iron casting, aluminum casting, steel casting. It can effectively remove inclusions, absorb small impurities, reduce gas and harmful element, improve the metal matrix structure and the mechanical properties of castings.

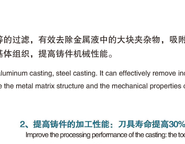
1、降低夹杂类缺陷废品率：夹杂类缺陷减少50%以上

Reduce the defect rate of the inclusion of the defective products, and reduce the defect of the inclusion of 50% or more.



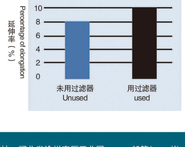
2、提高铸件的加工性能：刀具寿命提高30%以上

Improve the processing performance of the casting: the tool life is improved by more than 30%



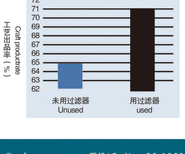
3、提高铸件机械性能：机械性能提高10%以上

Improve the mechanical properties of casting: mechanical properties increased by more than 10%



4、提高铸件工艺出品率：工艺出品率提高10%以上。

Improve casting technology production rate: the rate of production rate increased by more than 10%.



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