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产品介绍/Product introduction:

铁铬铝纤维烧结毡是一种使用寿命长、环保节能、耐高温、抗变形、不积碳、韧性好、可折叠、孔径分布均匀的金属纤维烧结毡。具有非常高的孔隙率和纳污能力，广泛用于驻车加热器、锅炉改造、焦化厂，燃气空调、玻璃退火、食品烘焙、烤炉、取暖器、涂炭纸业、干燥，除尘等领域。

Fe-Cr-Al fiber sintered felt is a metal fiber sintered felt with long service life, environmental protection and energy saving, high temperature resistance, deformation resistance, no carbon deposition, good toughness, foldability, and uniform pore size distribution. It has very high porosity and dirt holding capacity, and is widely used in parking heaters, boiler transformation, coking plants, gas air conditioners, glass annealing, food baking, ovens, heaters, carbon-coated paper, drying, dust removal and other fields.

铁铬铝烧结毡耐高温最高可达 1200°，而且它还具有耐硝酸、碱、有机溶剂、药品的腐蚀性，抗氧化性能，抗硫性和抗渗碳性，所以铁铬铝烧结毡的应用特别广泛，是环保节能里比较理想的一种滤材，铁铬铝烧结毡有易加工的特性，可以折波，也可以反复的清洗后被使用，使用寿命相对传统滤材更久。

Iron-chromium-aluminum sintered felt can withstand high temperatures up to 1200°，and it is also resistant to corrosion by nitric acid, alkali, organic solvents, and chemicals, and has anti-oxidation, anti-sulfur, and anti-carburization properties. Therefore, iron-chromium-aluminum sintered felt is particularly widely used and is an ideal filter material for environmental protection and energy saving. Iron-chromium-aluminum sintered felt is easy to process, can be folded, and can be used after repeated cleaning. Its service life is longer than that of traditional filter materials.

净化系列铁铬铝纤维烧结毡作为过滤净化材料广泛应用于化工及欧四标准的柴油汽车尾气排放装置。Fe-Cr-Al 合金多孔



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体为三维网状结构。孔径为 0.1mm，孔隙率为 85%，是用作整体型催化剂载体材料的选择。

Purification series iron-chromium-aluminum fiber sintered felt is widely used as a filtering and purification material in chemical industry and diesel vehicle exhaust emission devices of Euro IV standard. The Fe-Cr-Al alloy porous body is a three-dimensional mesh structure. The pore size is 0.1mm and the porosity is 85%. It is the best choice for the monolithic catalyst carrier material.

高温除尘系列铁铬铝除尘滤筒是一种真正意义上的能耐高温，适用恶劣环境，过滤效果好的新型滤材。相比非金属除尘滤袋最高耐温不超过 300℃，不锈钢除尘滤筒的适用温度不超过 450℃，铁铬铝除尘滤筒具有较高的使用温度，最高可达 900℃左右。铁铬铝除尘滤筒的滤材由铁铬铝纤维经开松机开松后，经特殊工艺制作成棉，再由德国进口的真空烧结炉烧结而成，由于其本身为深层迷宫式结构，过滤结构好。使用于钢铁、电力、垃圾焚烧等恶劣的除尘高温环境。

High-temperature dust removal series iron-chromium-aluminum dust filter cartridge is a new type of filter material that can truly withstand high temperatures, is suitable for harsh environments, and has good filtering effects. Compared with non-metallic dust filter bags, which have a maximum temperature resistance of no more than 300 ° C, and stainless steel dust filter cartridges, which have an applicable temperature of no more than 450 ° C, iron-chromium-aluminum dust filter cartridges have a higher operating temperature, up to about 900 ° C. The filter material of the iron-chromium-aluminum dust filter cartridge is made of iron-chromium-aluminum fibers that are opened by an opener, made into cotton by a special process, and then sintered by a vacuum sintering furnace imported from Germany. Because it has a deep labyrinth structure, it has a good filtering structure. It is used in harsh dust removal and high-temperature environments such as steel, electricity, and garbage incineration.

铁铬铝纤维烧结毡规格尺寸

- 1、标准材料：00Cr20Al6 铁铬铝纤维
- 2、标准供货规格：500*500mm,500*1000mm, 600*1200mm, 1000*1000mm, 1180*1500mm
- 3、特殊规格可根据需方要求供货

Specifications and dimensions of Fe-Cr-Al fiber sintered felt

1. Standard material: 00Cr20Al6
2. Standard supply specifications: 500*500mm, 500*1000mm, 600*1200mm, 1000*1000mm, 1180*1500mm
3. Special specifications can be supplied according to the requirements of the buyer
- 4.

铁铬铝纤维烧结毡特性及特点/Characteristics and features of Fe-Cr-Al Sintered Fiber Felt

- 1、1200 度/1200 degrees
- 2、冷热冲击能力强/Strong cold and hot shock resistance
- 3、不吸水 No water absorption
- 4、热惰性极小 Minimal thermal inertia
- 5、燃烧完全辐射 Completely radiated combustion
- 6、使用寿命长 Long service life
- 7、再生性能好 Good regeneration performance
- 8、抗氧化 Anti-oxidation



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铁铬铝纤维烧结毡型号说明

烧结毡共有两个系列，分别为 ZB 系列不锈钢烧结毡，ZT 系列铁铬铝烧结毡，型号解释如下：ZB-X-X，Z（代表烧结毡）B/T 代表烧结毡类型（不锈钢 SUS316L 烧结毡，铁铬铝烧结毡）X 值代表精度（精度单位为微米），也是关键的一个值，第三个值代表是否带护网，是双面护网烧结毡还是单面护网烧结毡（不写，A/B）。烧结毡的厚度都可以定制，标准厚度不锈钢烧结毡标准厚度为 0.56m，铁铬铝烧结毡标准厚度为 1mm。

Model description of Fe-Cr-Al Sintered Fiber Felt

There are two series of sintered felt, namely ZB series stainless steel sintered felt and ZT series Fe-Cr-Al Sintered Fiber Felt

The model explanation is as follows: ZB-X-X，Z (represents sintered felt) B/T represents the type of sintered felt (stainless steel SUS316L sintered felt, iron-chromium-aluminum sintered felt) X value represents the accuracy (accuracy unit is micron), which is also a key factor. The third factor represents whether it has a protective Mesh, whether it is a double-sided protective mesh sintered felt or a single-sided protective mesh sintered felt. The thickness of the sintered felt can be customized. The standard thickness of stainless steel sintered felt is 0.56m, and the standard thickness of Fe-Cr-Al sintered felt is 1mm.

Cr	C	Fe	Mn	Si	Al	S	P	Cu
19-22	≤0.04	Rest	≤0.40	≤0.60	5.0-6.2	≤0.025	≤0.025	≤0.12

#	Fiber Dia	g/m2	Usage
Z22450	22μ	450	Automobile exhaust filtration, etc
Z22500	22μ	500	
Z601800	60μ	1800	Parking heater, air-heating air conditioner, burner, other high-temperature working parts
Z604500	60μ	4500	



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