

透气布 (透气层)

Air slide fabric (Air slide canvas)

透气布也称为 Air Permeable Fabric , 气流滑布, 气滑膜, 气流帆布, 帆布, 流化织物等。Air slide fabric, also known as Air Permeable Fabric, Airslide Canvas, , Airflow Canvas, Canvas, Flowable Fabric, etc.

1, 涤纶短纤透气布 (涤纶短纤透气布透气层)

1, Polyester Staple Air slide fabric (Polyester Staple Air slide layer)



涤纶短纤透气布 (涤纶短纤透气布透气层) 特点: 采用优质合成纤维原料经整体编织成的透气布, 具有表面光滑平整、布纹清晰、整体性好、透气性均匀、尺寸稳定、耐磨、耐高温、耐腐蚀、不吸湿、不返灰、安装方便、使用寿命长等特点。

该产品是我厂自行研发生产的, 以涤纶短纤为原料、由特种织机织造, 经经纬线交织而成的。产品技术性能和产品质量均已达到国际先进水平。我厂可生产厚度为 3-10mm, 幅宽为 100-2500mm, 宽幅、厚度、阻力要求超出规定范围可商定。

Characteristics of Polyester Staple Air slide fabric (Polyester Staple Air slide layer): It is a breathable fabric woven from high-quality synthetic fiber raw materials, with a smooth and flat surface, clear cloth patterns, good overall integrity, uniform breathability, stable size, wear resistance, high temperature resistance, corrosion resistance, non hygroscopicity, non ash return, easy installation, and long service life.

This product is independently developed and produced by our factory, using polyester staple fibers as raw materials, woven by special weaving machines, and interwoven with warp and weft threads. The technical performance and product quality of the product have reached the international advanced level. Our factory can produce thicknesses of 3-10mm and widths of 100-2500mm. If the width, thickness, and resistance requirements exceed the specified range, they can be negotiated.

涤纶短纤透气布（涤纶短纤透气布透气层）用途：

涤纶短纤透气布（涤纶短纤透气布透气层）是水泥行业粉状物料输送设备的核心材料。适用于空气输送斜槽、均化库充气箱及库底、气力提升泵、流量阀、散装水泥仓、散装汽车、火车、船舶罐车以及冶金、化工、电力等行业粉状物料及颗粒物料的气力输送。在水泥工业中常用于输送水泥和生料粉。斜槽在输送物料中因没有转动部件，易于维护，密封性好，无噪音，操作安全可靠，耗电少，改变输送方向方便，并能多点喂料和多点卸料，因而得到广泛的应用。

涤纶短纤透气布（涤纶短纤透气布透气层）具有改变输送方向方便，并能多点喂料和多点卸料而得到广泛的应用。也适用于其他粉、粒装物料的气动输送装置。透气布表面应平整、光滑、厚薄均匀，减少缝隙接口，密封性能好，几何尺寸不应出现误差。其透气性须均匀稳定、阻力低、省电、易安装，维护检修方便。运行时不应脱层、不塌腰、不起拱、不泄漏粉料、不污染环境。

Polyester Staple Air slide fabric(Polyester Staple Air slide layer)Usage:

Polyester Staple Air slide fabric(Polyester Staple Air slide layer) is the core material of powder material conveying equipment in the cement industry. Suitable for pneumatic conveying of powdered and granular materials in industries such as air conveying chutes, homogenization tanks and bottoms, pneumatic lift pumps, flow valves, bulk cement silos, bulk trucks, trains, ship tankers, as well as metallurgy, chemical, and power. It is commonly used in the cement industry to transport cement and raw material powder. Due to the lack of rotating parts, easy maintenance, good sealing, no noise, safe and reliable operation, low power consumption, convenient change of conveying direction, and the ability to feed and unload at multiple points, inclined chutes are widely used in conveying materials.

Polyester Staple Air slide fabric(Polyester Staple Air slide layer) has been widely used due to its convenient ability to change the conveying direction and enable multi-point feeding and unloading. It is also applicable to pneumatic conveying devices for other powder and granular materials. The surface of the breathable cloth should be flat, smooth, and of uniform thickness, reducing gaps and interfaces, with good sealing performance, and there should be no errors in geometric dimensions. Its breathability must be uniform and stable, with low resistance, energy-saving, easy to install, and convenient for maintenance and repair. During operation, there should be no delamination, collapse, arching, powder leakage, or environmental pollution.

产品规格尺寸指标

项 目	要求		备注
	规格	允差	
幅宽 (毫米)	100-2500	±5	规格按用户需要
匹长 (米)	10-100	±0.20	规格按用户需要
厚度 (毫米)	3-10	±0.2	规格按用户需要

产品主要技术指标

项 目		指标
耐温	常时≤	150°C
	瞬时≤	180°C
断裂强度	径向≥	4700N/mm
	纬向≥	3500N/mm
	扯断伸长率	≤6%
透气率	2—3m ³ /m ² min	
透气阻力	在2m ³ /m ² min的条件下	800Pa—1200Pa
	在<3m ³ /m ² min的条件下	<2000Pa

Specifications and dimensions index		
Breadth	100-1600 (mm)	±5
Length	20-100 (m)	±0.20
Thickness	3-8 (mm)	±0.20
technical index		
Working temperature	Continuous temperature	150°C
	Instant temperature	180°C
Tensile strength	Warp	4700N/mm
	Weft	3500N/mm
	Tensile elongation	≤6%
Air permeability	2—3m ³ /m ² min	
Filter resistance	≥2m ³ /m ² min	800Pa—1200Pa
	<3m ³ /m ² min	<2000Pa

特别提醒:

定制: 宽幅、厚度、阻力要求超出规定范围的, 可以跟我们公司沟通商定。

运输: 产品运输贮存方式产品运输过程中应轻拿轻放, 不得野蛮装卸, 运输工具应清洁, 不得与油类及化学 品混装混运, 同时应有防日晒, 雨雪淋溅措施。

保存: 产品应存放在干燥、通风良 好的库房里, 严禁与油类化学品混存, 应有防潮措施, 并远离热源。

Special Reminder:

Customization: If the width, thickness, and resistance requirements exceed the specified range, you can communicate and negotiate with our company.

Transportation: Product transportation and storage methods: During the transportation process, the product should be handled with care, and rough loading and unloading are not allowed. The transportation tools should be clean and not mixed with oil and chemicals. At the same time, measures should be taken to prevent sun exposure, rain and snow splashing.

Storage: The product should be stored in a dry and well ventilated warehouse. It is strictly prohibited to mix it with oil chemicals. Moisture prevention measures should be taken and the product should be kept away from heat sources.



透气布使用场景：

Air slide fabric usage:



用于生料库、水泥库底均化。

Used for homogenization of raw material warehouses and cement depot bottoms.

用于散装运输船
For bulk carriers





用于生料、水泥输送

For raw material, cement
conveying

用于粉粒物料运输半挂车
Semi-trailer for powder
pellet material transport



2, 高强涤纶长丝透气布

High strength polyester filament air slide fabric

型号 Model	抗拉强度 kg/40mm Tensile strength kg/40mm	厚度 mm thick ness	透气量 m3/m2. min Breathabilit y	温度 °C temperatu re	重量 kg/m2 weight
CS5-6	>500	6.0	3.5	≤180	4.65
CS4-5.5	>500	5.5	3.7	≤180	4.3
CS4-5	>450	5.0	4.3	≤180	4.0
CS3-4	>450	4.0	4.6	≤180	3.6

高强涤纶长丝透气布特性:

Characteristic of high strength polyester filament air slide fabric

- ①表面光滑平整、尺寸稳定、不变形。
①The surface is smooth and flat, the size is stable and does not deform.
- ②透气布透气性好、气流均匀、稳定。
② Air slide fabric has good air permeability, uniform and stable airflow.
- ③ 抗拉强度好，耐热、耐磨、耐腐蚀。
③Good tensile strength, heat resistance, wear resistance, corrosion resistance.
- ④耗能少，寿命长，运行可靠，维修量极少。
④ Less energy consumption, long life, reliable operation, and minimal maintenance.
- ⑤强度、耐磨性更高，断裂伸长率更低。
⑤Higher strength, wear resistance, lower elongation at break.



3, 芳纶透气布

Nomex air slide fabric (Aramid air slide fabric)

型号 Model I	抗拉强度 kg/40mm Tensile strength kg/40mm	厚度 mm Thickness	透气量 m ³ /m ² . m in Breathability	温度°C temperature	重量 kg/m ² weight
NR6	>500	6.0	2.0	≤240°C	4.0
NR5.5	>500	5.5	2.3	≤240°C	3.8
NR5	>500	5.0	2.8	≤240°C	3.5

特性：清晰、平整、尺寸稳定、不变形。气流均匀、稳定。耐高温、耐腐蚀。耗能少、寿命长、维修量极少。

Features: clear, flat, dimensional stability, no deformation. The airflow is uniform and stable. High temperature resistance, corrosion resistance. Low energy consumption, long service life, and minimal maintenance.

用途：Nomex air slide fabric 主要作为空气斜槽和贮仓漏斗的配套产品，用于输送干粉状物料。广泛用于温度高的水泥、热电厂、氧化铝、矾土、纯碱、石膏、面粉等行业的水平输送和贮仓沸腾用。

Uses: Nomex air slide fabric is mainly used as a supporting product for air chutes and storage funnels, for conveying dry powder materials. Widely used for horizontal transportation and storage boiling in industries such as cement, thermal power plants, alumina, bauxite, soda ash, gypsum, flour, etc. with high temperatures.



4, 凯夫拉高温透气布

Kevlar high temperature air slide fabric

凯夫拉机织高温透气板（芳纶 1414），用于水泥厂空气输送斜槽、均化库充气箱及库底，气力提升泵，散装水泥运输车，散装水泥运输船等的粉状物料装置中的透气层，也适用于冶金、化工、电力、环保等行业粉状物料及颗粒物料的气力输送。

Kevlar woven high-temperature breathable plate (aramid 1414), which is used for cement plant air transport chutes, homogenization library inflatable boxes and depot bottoms, pneumatic lift pumps, bulk cement transport vehicles, bulk cement transport ships and other powdery material devices in the permeable layer, but also suitable for metallurgy, chemical, electric power, environmental protection and other industries of powder materials and granular materials of pneumatic transport.

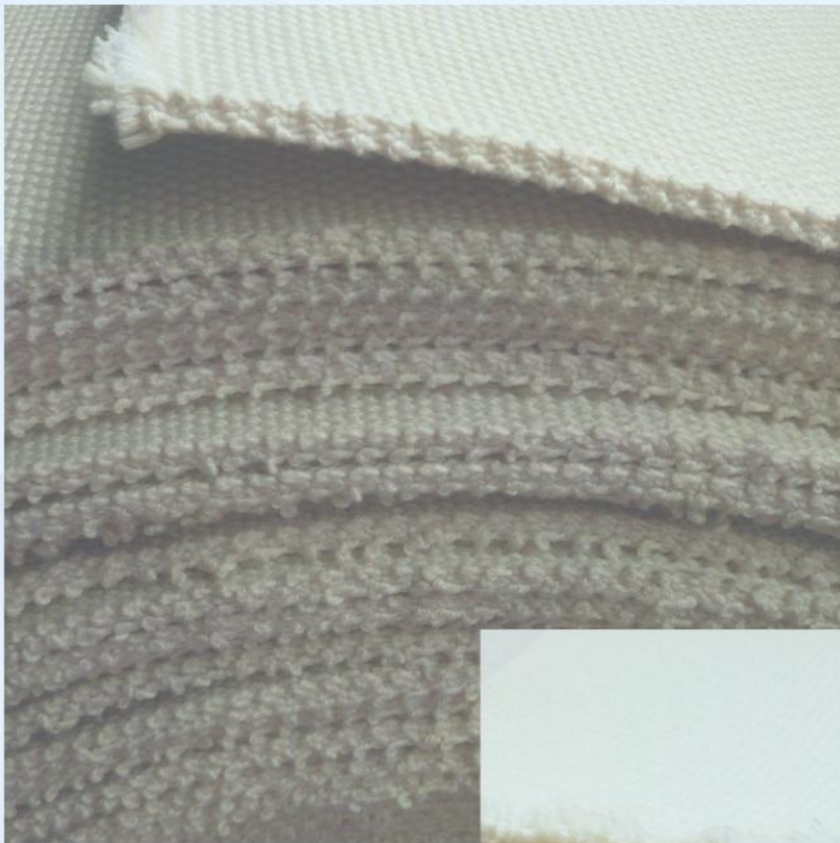
型号 Mode I	抗拉强度 kg/40mm Tensile strength kg/40mm	厚度 mm Thick ness	透气量 m ³ /m ² . m in Breathabili ty	温度°C temperature	重量 kg/m ² weight
KR4	>600	4.0	3.5	≤260°C	2.8
NKR4	>700	4.0	2.5	≤260°C	2.9
KR4.5	>700	4.5	3.0	≤260°C	3.2
NKR4.5	>800	4.5	2.0	≤260°C	3.2
KR5	>700	5.0	2.5	≤260°C	3.5
NKR5	>800	5.0	2.0	≤260°C	3.5
KR6	>1000	6.0	2.0	≤260°C	4.2

特性：清晰、平整、尺寸稳定、不变形。气流均匀、稳定。耐高温、耐腐蚀。耗能少、寿命长、维修量极少。采用进口原料，耐温性能更高，强度更高，耐磨性更好。

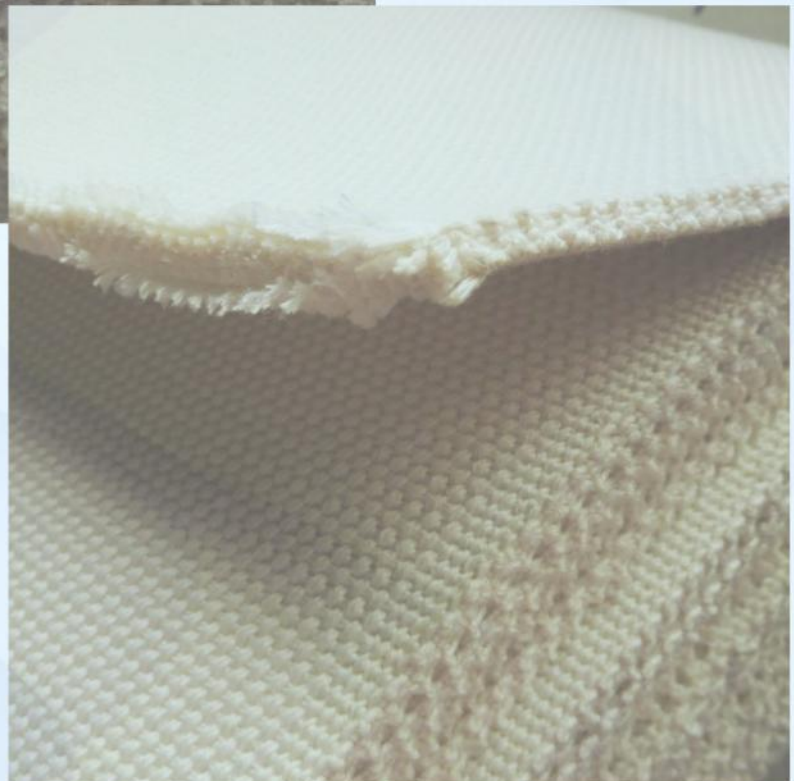
Features: clear, flat, dimensional stability, no deformation. The airflow is uniform and stable. High temperature resistance, corrosion resistance. Low energy consumption, long service life, and minimal maintenance. The use of imported raw materials, higher temperature resistance, higher strength, better wear resistance.

用途：凯夫拉高温透气板（芳纶 1414）主要作为空气斜槽和贮仓漏斗的配套产品，用于输送干粉状物料。广泛用于温度高的水泥、热电厂、氧化铝、矾土、纯碱、石膏、面粉等行业的水平输送和贮仓沸腾用。

Uses: Kevlar high-temperature air slide fabric (aramid 1414) is mainly used as a supporting product for air chutes and storage funnels for conveying dry powdery materials. Widely used in high temperature cement, thermal power plants, alumina, bauxite, soda ash, gypsum, flour and other industries of horizontal transportation and storage boiling.



**Kevlar high
temperature air
slide fabric**



5, 玄武岩加树脂透气布

Basalt with resin air slide fabric

技术参数:

Technical Specification Sheet

克重(kg/m²): 3.2

Gram weight (kg/m²): 3.2

厚度(mm): 6.0

Thickness (mm): 6.0

透气量(m³/m².min): 2.98

Air throughput (m³/m².min):
2.98

抗拉强度(kg/40mm): >500

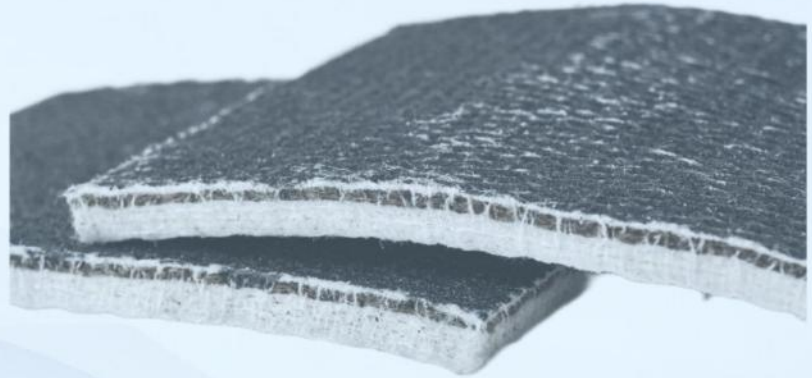
Tensile strength
(kg/40mm): >500

使用温度: 300°C-800°C

Operating temperature: 300°C-800 °C

我厂生产的耐高温透气布，系选用玄武岩纤维、涤纶纤维加综合耐温树脂精制而成。玄武岩纤维是在天然玄武岩矿石在高温下熔融后拉制而成，配耐温树脂和涤纶针刺，高温定型。具有很高的拉伸和压缩强度及硬度，耐酸耐碱，即轻质且密度好，并具有出色耐高温性能，耐温度可达500°C左右，在高温状态下，物理性能没有明显变化。

The high-temperature resistant air slide fabric produced by our factory is refined from basalt fiber, polyester fiber, and comprehensive heat-resistant resin. Basalt fiber is drawn from natural basalt ore melted at high temperatures, mixed with heat-resistant resin and polyester needle punched, and shaped at high temperatures. It has high tensile and compressive strength and hardness, acid and alkali resistance, is lightweight and has good density, and has excellent high temperature resistance. The temperature resistance can reach around 500 °C, and there is no significant change in physical properties at high temperatures.



特性：清晰、平整、尺寸稳定、不变形。气流均匀、稳定。耐热、耐腐蚀。耗能少、寿命长、维修量极少。玄武岩为原料耐磨性好，抗拉强度大，使用温度高等。

Features: clear, flat, dimensional stability, no deformation. The airflow is uniform and stable. Heat and corrosion resistant. Low energy consumption, long service life, and minimal maintenance. Basalt is a raw material with good wear resistance, high tensile strength and high use temperature.

用途：产品主要作为空气斜槽和贮仓漏斗的配套产品，用于输送干粉状物料。广泛用于水泥、热电厂、氧化铝、矾土、纯碱、石膏、面粉等行业的水平输送和贮仓沸腾用。

Uses: The product is mainly used as a supporting product for air chutes and storage funnels for conveying dry powdery materials. Widely used in cement, thermal power plants, alumina, bauxite, soda ash, gypsum, flour and other industries of horizontal transportation and storage boiling.

6, 陶瓷纤维流化床透气布

Ceramic fiber fluid-bed air slide fabric

技术参数:

Technical Specification Sheet

克重(kg/m²): 3.2

Gram weight (kg/m²): 3.2

厚度(mm): 6.0

Thickness (mm): 6.0

透气量(m³/m².s):10±5

Air throughput (m³/m².s): 10±5

抗拉强度(kg/cm²): 150

Tensile strength (kg/cm²): 150

使用温度: ≤1250°C

Operating temperature: ≤1250°C

特性: 陶瓷纤维流化床透气布选用优质单晶多体高强陶瓷纤维加以耐热抗拉 304 白钢细丝精编而成,耐温度高,透气性好。广泛使用在冶金、有色、化工行业的悬浮炉、焙烧炉的流化床速冷设备中。

Features: Ceramic fiber fluid bed air slide fabric is made of high-quality single crystal multi-body high-strength ceramic fibers and finely woven with heat-resistant and tensile resistant 304 white steel filaments. It has high temperature resistance and good breathability. Widely used in fluidized bed rapid cooling equipment for suspension furnaces and roasting furnaces in the metallurgical, non-ferrous, and chemical industries.



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