



JUNYI Technical Description of Filter Cloth for Filter Press

1 PP Filter Cloth

Material Performance

1 It is melt-spinning fiber with excellent acid and alkali resistance, as well as excellent strength, elongation, and wear resistance.

2 It has great chemical stability and has the characteristic of good moisture absorption.

3 Heat resistance: slightly shrunk at 90°C;

 Breaking elongation (%): 18-35;

 Breaking strength (g/d): 4.5-9;

 Softening point (°C): 140-160;

 Melting point (°C): 165-173;

 Density (g/cm³): 0.91.

Filtration Features

PP short-fiber: Its fibers are short, and the spun yarn is covered with wool; Industrial fabric is woven from short polypropylene fibers, with a woolly surface and better powder filtration and pressure filtration effects than long fibers.

PP long-fiber: Its fibers are long and the yarn is smooth; Industrial fabric is woven from PP long fibers, with a smooth surface and good permeability.

Application

Suitable for sewage and sludge treatment, chemical industry, ceramics industry, pharmaceutical industry, smelting, mineral processing, coal washing industry, food and beverage industry, and other fields.

Parameter List of PP Filter Cloth

Model	Weaving Mode	Density Pieces/10cm		Breaking Elongation Rate%		Thickness mm	Breaking Strength		Weight g/m ²	Permeability L/m ² .S
		Longitude	Latitude	Longitude	Latitude		Longitude	Latitude		
750A	Plain	204	210	41.6	30.9	0.79	3337	2759	375	14.2
750-A plus	Plain	267	102	41.5	26.9	0.85	4426	2406	440	10.88
750B	Twill	251	125	44.7	28.8	0.88	4418	3168	380	240.75

700-AB	Twill	377	236	37.5	37.0	1.15	6588	5355	600	15.17
108C plus	Twill	503	220	49.5	34.8	1.1	5752	2835	600	11.、 62

2 PET Filter Cloth

Material Performance

1 It can withstand acid and neuter cleaner, has wear resistance and corrosion resistance, has good recovery ability, but poor conductivity.

2 Polyester fibers generally have a temperature resistance of 130-150°C.

3 This product not only has the unique advantages of ordinary felt filter fabrics, but also has excellent wear resistance and high cost-effectiveness, making it the most widely used variety of felt filter materials.

4 Heat resistance: 120 °C;

Breaking elongation (%): 20-50;

Breaking strength (g/d): 438;

Softening point (°C): 238.240;

Melting point (°C): 255-26;

Proportion: 1.38.

Filtration Features of PET short-fiber filter cloth

The raw material structure of polyester short fiber filter cloth is short and woolly, and the woven fabric is dense, with good particle retention, but poor stripping and permeability performance. It has strength and wear resistance, but its water leakage is not as good as polyester long fiber filter cloth.

Filtration Features of PET long-fiber filter cloth: PET long fiber filter cloth has a smooth surface, good wear resistance, and high strength. After twisting, this product has higher strength and better wear resistance, resulting in good permeability, fast water leakage, and convenient cleaning of the fabric.

Application: Suitable for sewage and sludge treatment, chemical industry, ceramics industry, pharmaceutical industry, smelting, mineral processing, coal washing industry, food and beverage industry, and other fields.

Parameter List of PET short-fiber filter cloth

Model	Weaving Mode	Density Pieces/10cm		Breaking Elongation Rate%		Thickness mm	Breaking Strength		Weight g/m ²	Permeability L/M ² .S
		Longitude	Latitud e	Longitude	Latitud e		Longitude	Latitude		
120-7	Twill	4498	4044	256.4	212	1.42	4491	3933	327.6	53.9

(5926)										
120-12 (737)	Twill	2072	1633	231.6	168	0.62	5258	4221	245.9	31.6
120-13 (745)	Plain	1936	730	232	190	0.48	5625	4870	210.7	77.2
120-14 (747)	Plain	2026	1485	226	159	0.53	3337	2759	248.2	107.9
120-15 (758)	Plain	2594	1909	194	134	0.73	4426	2406	330.5	55.4
120-7 (758)	Twill	2092	2654	246.4	321.6	0.89	3979	3224	358.9	102.7
120-16 (3927)	Plain	4598	3154	152.0	102.0	0.90	3426	2819	524.1	<20.7

Parameter List of PET long-fiber filter cloth

Model	Weaving Mode	Breaking Elongation Rate%		Thickness mm	Breaking Strength		Weight g/m ²	Permeability L/M ² .S
		Longitude	Latitude		Longitude	Latitude		
60-8	Plain	1363		0.27	1363		125.6	130.6
130#			111.6			221.6		
60-10		2508		0.42	225.6		219.4	36.1
240#			958			156.0		
60-9		2202		0.47	205.6		257	32.4
260#			1776			160.8		
60-7		3026		0.65	191.2		342.4	37.8
621			2288			134.0		

3 Mono-filament Filter Cloth

Advantages

Single synthetic fiber woven, strong, not easy to block, there will be no yarn breakage. The surface is heat-setting treatment, high stability, not easy to deform, and uniform pore size. Mono-filament filter cloth with calendared surface, smooth surface, easy to peel off the filter cake, easy to clean and regenerate the filter cloth.

Performance

High filtration efficiency, easy to clean, high strength, service life is 10 times of general fabrics, the highest filtration precision can reach 0.005 μ m.

Product coefficients

Breaking strength, breaking elongation, thickness, air permeability, abrasion resistance and top breaking force.

Uses

Rubber, ceramics, pharmaceuticals, food, metallurgy and so on.

Application

Petroleum, chemical, pharmaceutical, sugar, food, coal washing, grease, printing and dyeing, brewing, ceramics, mining metallurgy, sewage treatment and other fields.

Parameter List of Mono-filament Filter Cloth

Model	Warp and Weft Density		rupture strength N15×20CM		Elongation rate %		Thickneses (mm)	Weight g/m ²	permeability1 0 ⁻³ M ³ /M ² .s
	Lon	Lat	Lon	Lat	Lon	Lat			
407	240	187	2915	1537	59.2	46.2	0.42	195	30
601	132	114	3410	3360	39	32	0.49	222	220
663	192	140	2388	2200	39.6	34.2	0.58	264	28

4、 Cotton Filter Cloth

Material: cotton 21 yarns, 10 yarns, 16 yarns; high temperature resistant, non-toxic and odorless

Use: Artificial leather products, sugar factory, rubber, oil extraction, paint, gas, refrigeration, automobile, rain cloth and other industries.

Norm: 3×4、 4×4 、 5×5 5×6 、 6×6 、 7×7、 8×8、 9×9 、 10×10 、 10×11、 11×11、 12×12、 17×17.

5、 Non-woven Fabric

Needle-punched non-woven fabric belongs to a kind of non-woven fabric, with polyester, polypropylene raw material manufacturing, after many times of needle punching to be appropriate hot-rolled treatment and become.

According to the different process, with different materials, made of hundreds of goods.

Specification: Weight: (100-1000)g/m², Thickness: ≥5mm, Width: ≤210cm.

Application: coal washing, ceramic mud, tailings dry drainage, iron and steel wastewater, stone wastewater.

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