

# PEEK（聚醚醚酮）工业滤布

## PEEK INDUSTRIAL FILTER CLOTH



江苏君华特种高分子材料股份有限公司  
Jiangsu Junhua HPP Co., Ltd.



# 应用于 PTA 行业的 PEEK 滤布

## PEEK Filter Cloth for PTA Industry

### 1) PEEK Filter Cloth Product Characteristics:

- Heat resistance: Continuous use temp( $-80^{\circ}\text{C}\sim 260^{\circ}\text{C}$ ).
- Wear resistance: Perform excellent wear resistance property even at high temp.
- Chemical resistance: Only can't withstand highly oxidizing acids corrosion.
- Bending deformation: Excellent resistance to deformation.
- Low creep: Dimension keep stable for a long time.
- Effectively reduction of water content in filter cake.
- Not easy to block, long usage life, save energy and reduce consumption.
- The filter cloth is easy to clean, improving the working efficiency of the filter.





Size Specification:

Common Size	180mm*480mm	200mm*400mm	200mm*500mm	11.5m*2.4m
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PEEK Filter Performance Index:

Item	Test Standards	Unit	Typical value	
Density	JB/T 11092	pieces/10cm	Meridian	205±5
			Parallel	105±5
Thickness	GB/T 3820	μm	48040	
Mass per unit area	GB/T 4669	g/m²	290±15	
Wire diameter	GB/T 5330	μm	Meridian	200±5
			Parallel	200±5
Diameter of hole	GB/T 5330	μm	Meridian	60±5
			Parallel	430±5
Elongation rate at break	GB/T 1040.1	%	Meridian	40~45
			Parallel	25~30
Break strength	GB/T 1040.1	N/mm	Meridian	50~65
			Parallel	25~30
Permeability	JB/T 11093	mm/s	130Pa	1150~1250
			200Pa	1600~1700
Boiling Bubble Aperture	JB/T 11093	μm	40	
Cut-off accuracy	JB/T 11093	μm	150	
Appearance (cut-up line, debris, breakage, skipped yarns, etc.)	GB JB/T 11094	/	Good	
Heat resistance	UL 74685	°C	260	
Crystallization	DSC	%	25	

2) PEEK Filament Product Introduction:

PEEK thin wire, normal working temperature 260 ° C, itself has a hydrolysis resistance, can be cleaned in high temperature steam to kill the poison.PEEK thin wire using PEEK 5602G customized special raw materials extrusion, breaking the length of the traditional process limitations, a variety of the diameter, corrosion-resistant, high temperature resistance, with a certain degree of flexibility, to facilitate the bending of the process of connecting.



Size specification:

No.	Diameter (mm)	No.	Diameter (mm)	No.	Diameter (mm)	No.	Diameter (mm)
1	0.035	4	0.1	7	0.5	10	1.95
2	0.05	5	0.2	8	1.0		
3	0.08	6	0.25	9	1.75		

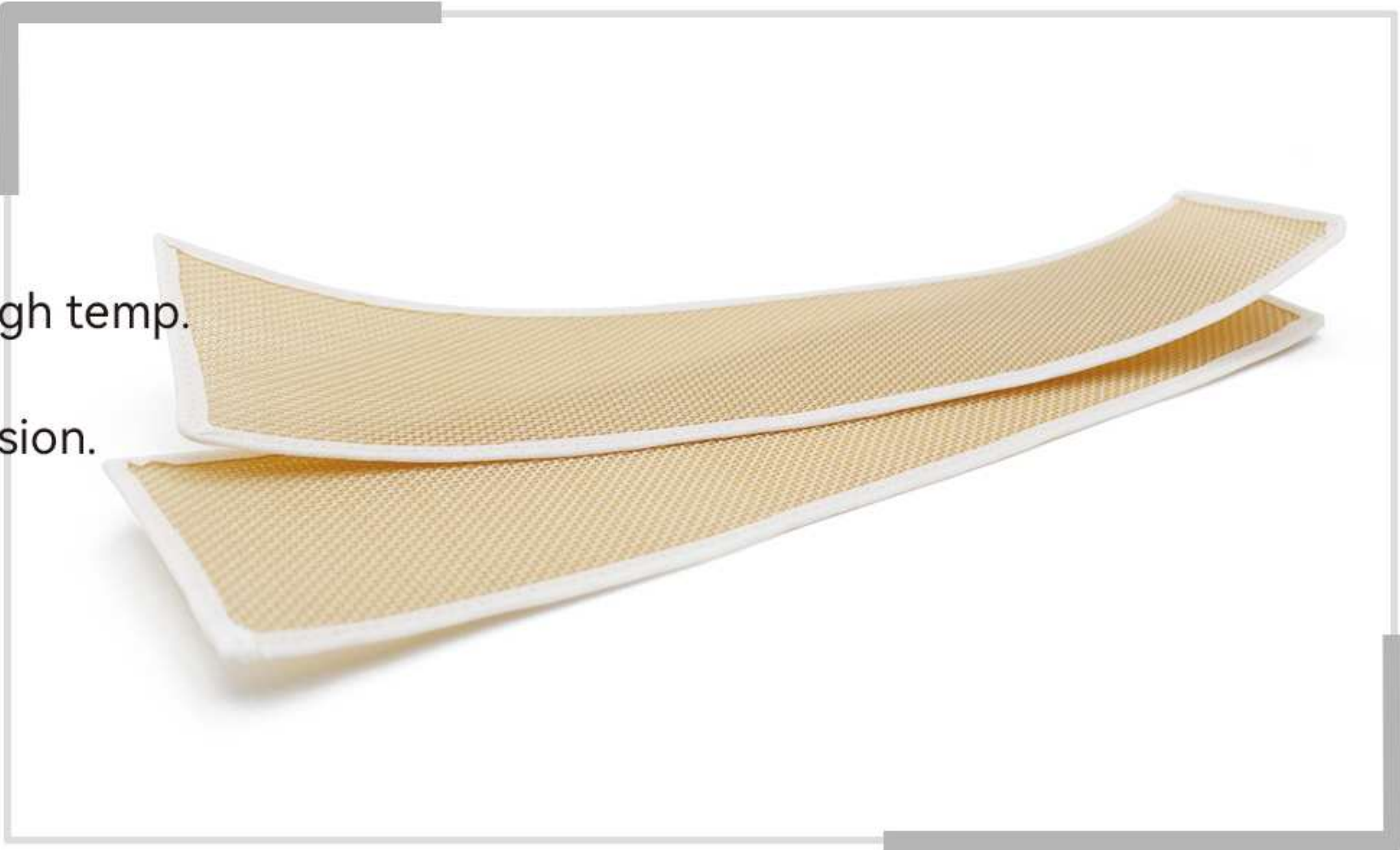


PEEK thin wire performance:

	Item	Unit	Standard value	
Basic indicators	Outside diameter	mm	φ0.2	φ0.25
	Dtes (g/1000m)	(D)	430	630
	Thermal Shrinkage	%	3.7(200℃)	3.7(200℃)
Mechanical properties	Load at break	N	15.5	21.5
	Elongation rate at break	%	29	25
	Break strength	cN/tex	23	33
Heat properties	Melting point	℃	343	
Other properties	Flame retardant	UL94	V-0	
	Mould resistance (GJB150-10A)	/	not lower than 1 grade	
	Salt spray resistance (GJB15,11A,pH=3.5)	/	Color keep stable, mechanical properties aren't affected	

3) PEEK Support Mesh Product Characteristics

- Heat resistance: Continuous use temp(−80℃~260℃).
- Wear resistance: Perform excellent wear resistance property even at high temp.
- Chemical resistance: Only can’ t withstand highly oxidizing acids corrosion.
- Bending deformation: Excellent resistance to deformation.
- Low creep: Dimension keep stable for a long time.



Size specification:

Common Size	88mm*398mm	90mm*388mm	93mm*390mm
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PEEK Support Mesh Performance Index:

	Item	Test Standards	Unit	Standard value	
Mechanical and physical properties	Density	GB/T 5330	mesh/inch	Meridian	24
				Parallel	22
	Thickness	GB/T 3820	μm	940	
	Mass per unit area	GB/T 4669	g/m²	454	
	Diameter of wire	GB/T 5330	μm	Meridian	530
				Parallel	528
	Diameter of hole	GB/T 5330	μm	Meridian	1190
				Parallel	1050
Filter properties	Permeability	JB/T 11093	mm/s	130Pa	4200-4400
				200Pa	5300-5500
Other properties	Appearance (cut-up line, debris, breakage, skipped yarns, etc.)	GB JB/T 11094	/	Good	
	Heat resistance	UL 74685	℃	260	
	Crystallization	DSC	%	25	

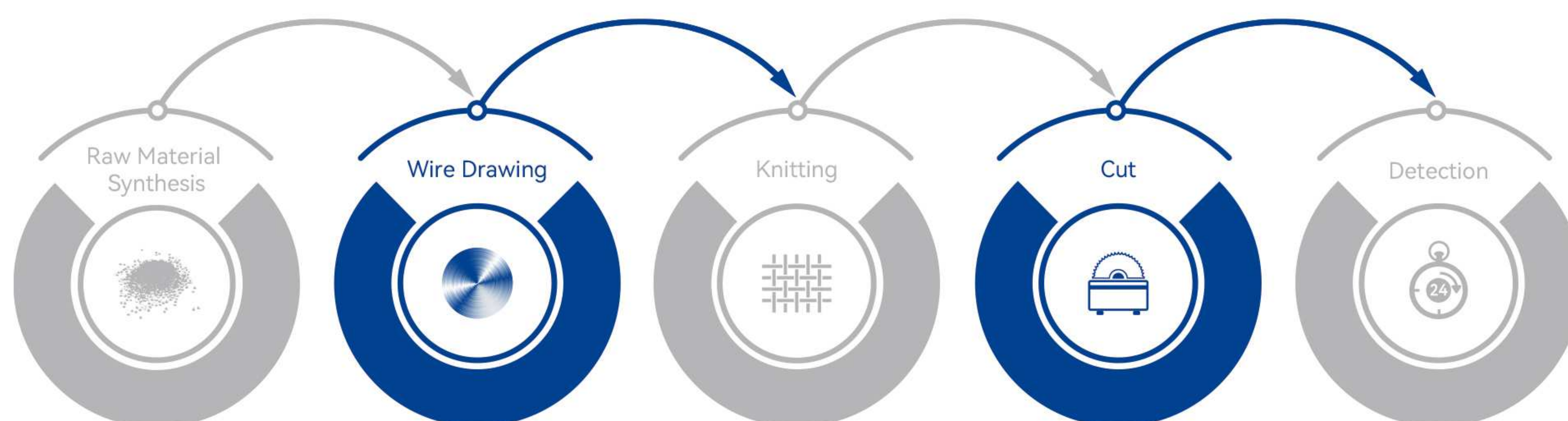


## Processing Characteristics

Produce and process with advanced equipment,  
max width is 3M.



## All-round Supporting Service:



## Quality Assurance:



Automatic air permeability meter



Electronic Fabric Strength Machine



诚信 · 务实 · 合作 · 创新 · 共赢

INTEGRITY · PRAGMATISM · COOPERATION · INNOVATION · WIN-WIN SITUATION

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