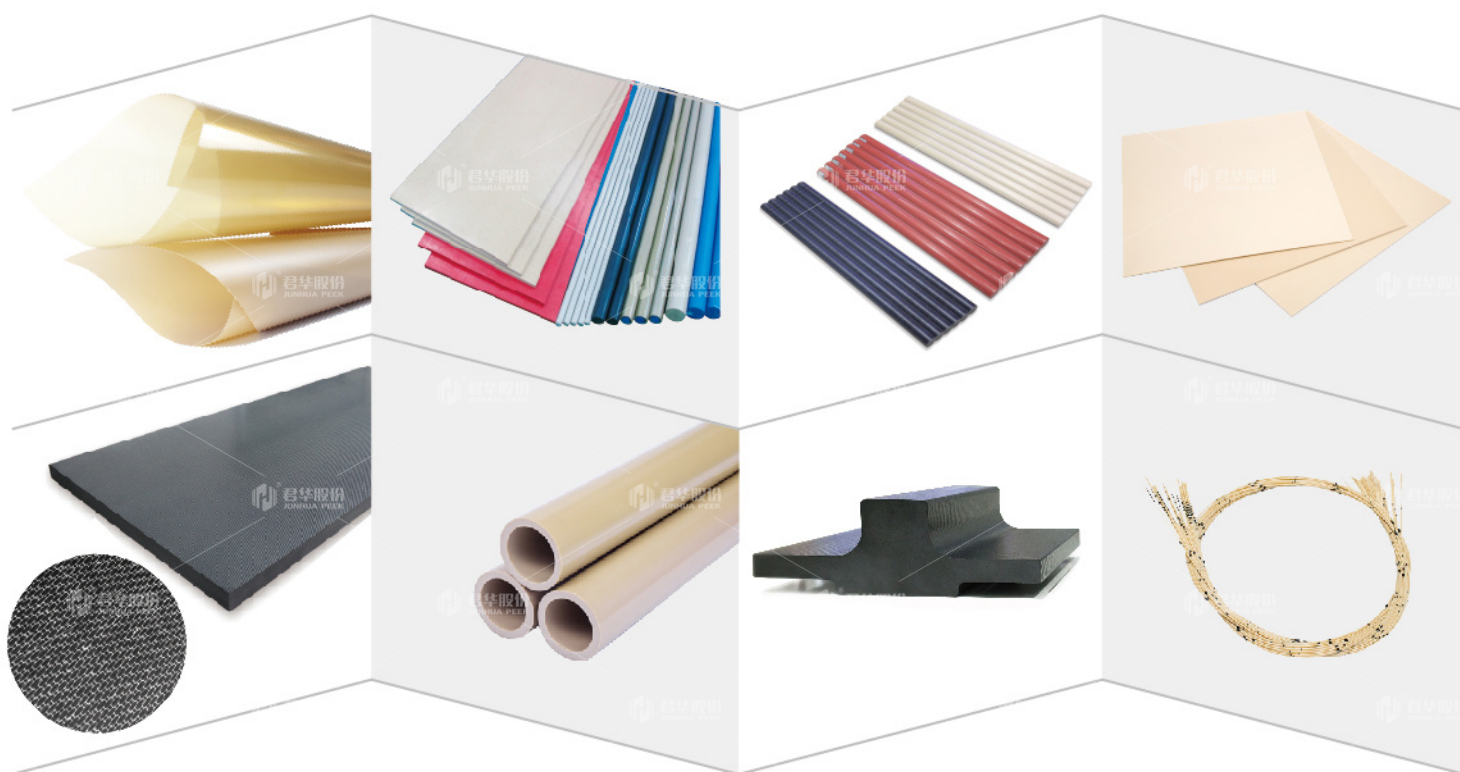


China PEEK



Super polymer -- PEEK (polyether ether ketone), PI (polyimide) and other high-performance plastic resin, profiles and products professional manufacturers

PEEK are widely applied in high-end fields because of their outstanding comprehensive properties.



Automotive Industry



Petroleum and Petrochemical Industries



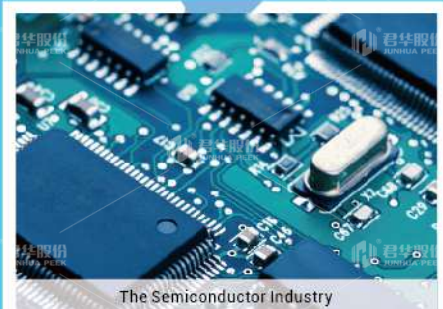
Medical Instruments



Textile Printing and Dyeing Machinery



5G Communication



The Semiconductor Industry



Electronic Cigarette



Analytical Instruments

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Company Profile



Core Business

Junhua chinaPEEK specializes in the application, development and production of high performance special engineering plastic(PEEK) resin and profile. We have formed a complete industrial chain with PEEK raw material resin polymerization, modified granulation, injection molding and machining of finished parts, and continuous extrusion of materials such as rod, tube and sheets.

Objective

Through working with research institute, material supplier and clients, we want to promote super engineering plastic more widely used in industries like textile dyeing printing machinery, automotive, semiconductor, Solar, FPD, analysis & measuring instrument, food processing, beverage filling and packaging, medical, etc.

Principle

Honesty

Pragmatic

Cooperation

Innovation

Win-win



High-tech Enterprise Certificate



Engineering Technology Research Center



National Specialized and New "Little Giant" Enterprise



JiangSu JunHua HPP Co., Ltd.

Junhua chinaPEEK was established in 2007. Based on the experience of PEEK R&D and production in the past 18 years, it has become a whole industrial chain company focused on PEEK resin raw material polymerization, PEEK rod, tube sheet extrusion and finished parts' R&D, production and sales. It has production and sales subsidiaries in many cities in China, and its products are sold to domestic and also foreign markets such as Europe, America and Southeast Asia.



Changzhou Junhua Medical Technology Co., Ltd.

Changzhou Junhua Medical Co., Ltd. is a wholly-owned subsidiary of Jiangsu Junhua. It has set up a special team to cooperate with customers in the medical industry to develop, produce and sale medical polymer and products such as medical PEEK, PPSU, carbon fiber reinforced PEEK composite. The company has established ISO13485 quality management system, and the materials have been certified by third-party authorities such as FDA, REACH, ROHS and ISO10993. It is equipped with clean workshops and complete processing and inspection facilities.

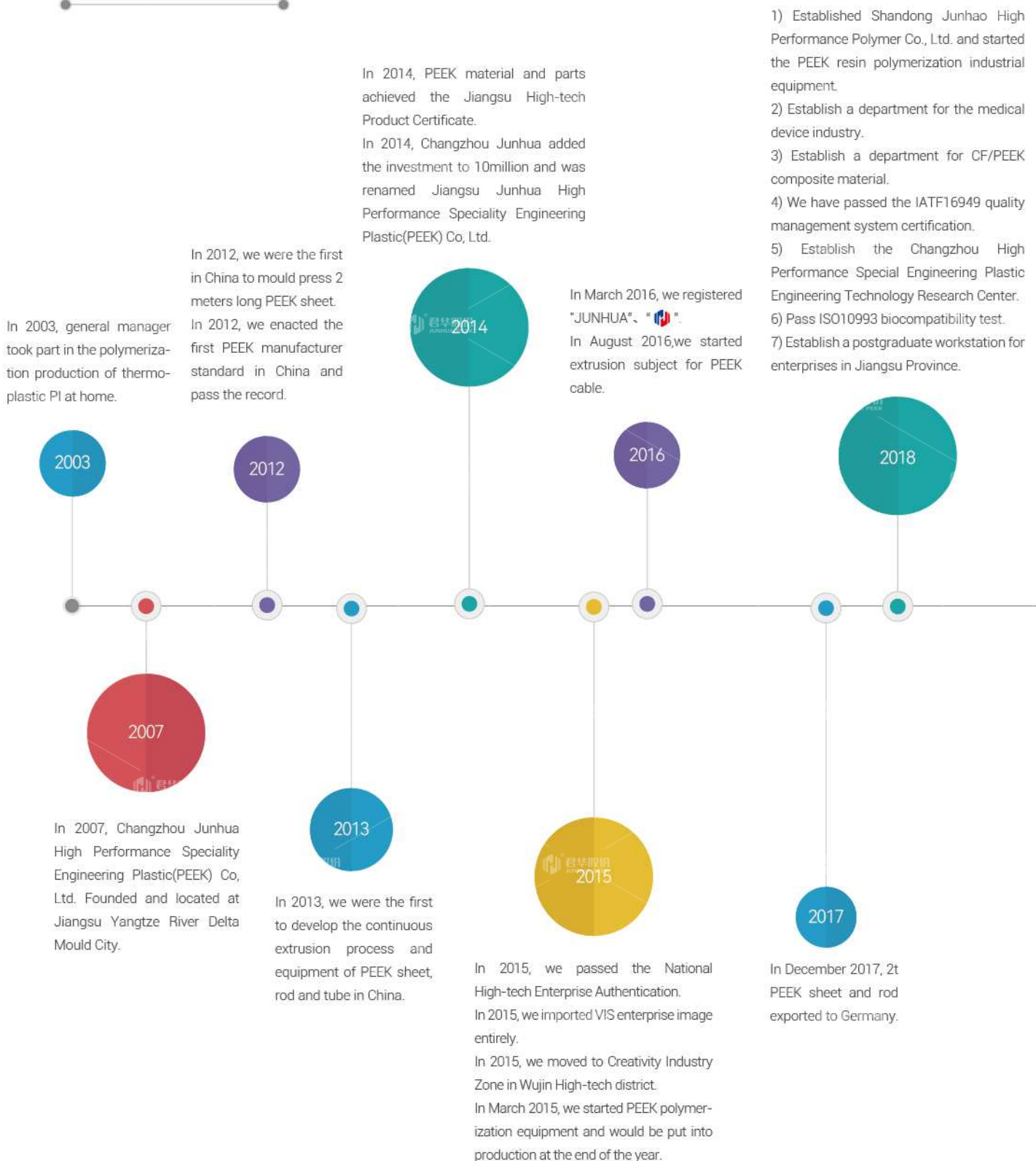
Changzhou Junhang High Performance Composite Material Co., Ltd.

Changzhou Junhang High Performance Composite Material Co., Ltd. focusing on the development, production and sales of thermoplastic composite preregs and sheets like continuous carbon fiber CF, glass fiber GF and other reinforced PEEK, PEKK, PPS, PEI, etc. The products mainly include thermoplastic composite preregs, sheets and finished parts, which are widely used in aerospace, medical equipment and nuclear power and other high-end fields.

Shandong Junhao High Performance Polymer Co., Ltd.

Shandong Junhao High Performance Polymer Co., Ltd. adopts the patented technology of Jilin University, focusing on the development, production and sales of PEEK (polyether ether ketone), PEK (polyether ketone) and other high performance polymers. The company has built two sets of devices with an annual capacity of 2,500 tons of PEEK resin modified particles, 600 tons of PI resin and 100 tons of medical PEEK in Jining New Materials Industrial Park, a professional chemical park in Shandong Province, providing strong raw material support for PEEK profile extrusion, composite materials and research and development and production of medical PEEK.

Development History





Advantages

The core technical advantage, the greatest value



Strict Quality System Certification

The company has passed ISO9001, IATF16949 certification, ISO13485 certification, AS9100D aerospace quality system certification, FDA food grade certification, RoHS testing and other third-party certifications.



Perfect Hardware Facilities



Office



Product Display Room



R & D Lab

Investing the Huge Amounts to Import the PEEK Extrusion Production Line From Europe



PEEK Sheet Extrusion
Production Line



PEEK Square Sheet
Extrusion Production Line



PEEK Thick-Wall Tube Extrusion
Production Line



PEEK Rod Extrusion
Production Line



PEEK Plate Extrusion
Production Line



PEEK Cable Production Line



PEEK Tube Extrusion
Production Line



PEEK Wire Production Line

Authorized Certificate

The company led the development of 5 national standards, 2 industry standards, 2 group standards; It has 26 authorized invention patents and 33 utility model patents.

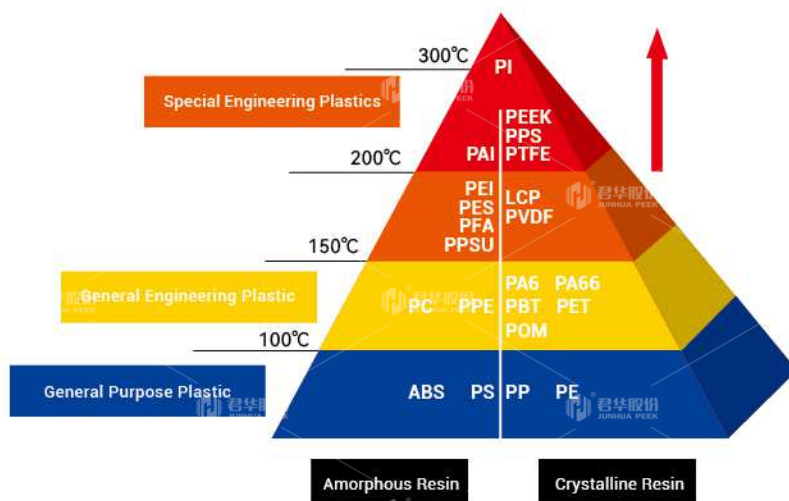


Continuous Technology Innovation, Amounts of Patent

No.	Name	Patent number	Apply time	Issuing time	Type
1	PEEK capillary tubes continuous extrusion machine and technology	ZL201310425335.3	2013.9	2017.3	Invention
2	PEEK rotor and its manufacturing technology	ZL201310423283.6	2013.9	2016.5	Invention
3	Wearing bush used in the harness frame of weaving machine	ZL201310423033.2	2013.9	2017.1	Invention
4	PEEK cable extruder with electromagnetic preheating function	ZL201721255076.4	2017/9/28	2018/4/10	Utility model
5	A continuous CF/PEEK thermoplastic composite material and its production method	201910443696.8	2019/5/27	Has Accepted	Invention
6	One-step production method of polyether ether ketone by capillary on-line crystallization	201911151947.1	2019/11/22	Has Accepted	Invention
7	A PEEK composite material with thermal conductivity, electromagnetic shielding, high strength and its production method	202010230653.4	2020/3/27	Has Accepted	Invention

PEEK and Property

Plastic Classification



PEEK shows excellent overall performance due to its large amount of benzene ring structure in its molecule

PEEK (polyetheretherketone) resin is a high performance specialty thermoplastic material and is one of the most important varieties of commercial polyaryletherketone resins. At present, polyetheretherketone is widely used in petroleum, food processing, automotive and aerospace fields due to its excellent electrical and mechanical properties, high temperature resistance and corrosion resistance.

PEEK Advantages



Biocompatibility Test

Experimental Standards	Experiment Titles	Experiment Results
ISO 10993-4:2017	Hemocompatibility	PASS
ISO 10993-5:2009	Cytotoxicity Testing	PASS
ISO 10993-10:2010	Skin Sensitization Test	PASS
ISO 10993-10:2010	Intradermal Reactivity Test	PASS
ISO 10993-11:2017	Acute Systemic Toxicity Test	PASS
ISO 10993-11:2017	Pyrogen Test	PASS

PEEK Main Material Grade and Typical Properties

Mechanical Behavior

Item	Test Standard or Instrument	Unit	PEEK5600G	PEEK5600GF30	PEEK5600CF30	PEEK5600LF30	PEEK5600FE20
			100%PEEK	PEEK+30% glass fiber	PEEK+30% carbon fiber	PEEK+30%(carbon fiber+graphite+PTFE)	PEEK+20%PTFE
Tensile Strength (23°C)	ISO 527	MPa	95	175	250	145	70
Tensile Modulus (23°C)	ISO 527	GPa	3.8	11	23	12.5	/
Elongation at Break (23°C)	ISO 527	%	35	2.0	1.5	2.2	/
Bending Strength (23°C)	ISO 178	MPa	155	235	350	220	118
Bending Modulus (23°C)	ISO 178	GPa	3.5	10	21	11	/
Charpy Impact Strength (No Gap)	ISO 179/1U	kJ/m²	No break	55	45	32	No break
IZOD Impact Strength (Gap)	ISO 180/A	kJ/m²	4	6	6.5	4	6

Thermal Performance

Item	Test Standard or Instrument	Unit	PEEK5600G	PEEK5600GF30	PEEK5600CF30	PEEK5600LF30	PEEK5600FE20
			100%PEEK	PEEK+30% glass fiber	PEEK+30% carbon fiber	PEEK+30%(carbon fiber+graphite+PTFE)	PEEK+20%PTFE
Melting Point	ISO11357	°C	343	343	343	343	343
Glass Transition Temperature	ISO11357	°C	152	143	143	143	143
Distortion Temperature	ISO 75A-f	1.8MPa, °C	260	315	315	293	150
Coefficient of Thermal Expansion	ASTM D696	ppm K-1	45	22	15	22	70
Thermal Conductivity	ISO /CD22007-4	W/(m·K)	0.29	0.32	0.95	0.86	/

Electrical Performance

Item	Test Standard or Instrument	Unit	PEEK5600G	PEEK5600GF30	PEEK5600CF30	PEEK5600LF30	PEEK5600FE20
			100%PEEK	PEEK+30% glass fiber	PEEK+30% carbon fiber	PEEK+30%(carbon fiber+graphite+PTFE)	PEEK+20%PTFE
Dielectric Strength (2mm)	IEC 60243-1	kV/mm	20	19	/	/	19
Dielectric Constant	IEC 62631	-	3.0	3.3	/	/	2.7
Surface Resistivity	GB/T31838.3	Ω	10 ¹⁵	10 ¹⁴	/	/	10 ¹⁵
Volume Resistivity	IEC 62631	Ω·cm	10 ¹⁶	10 ¹⁶	10 ⁹	10 ⁶	/

Other Performance

Item	Test Standard or Instrument	Unit	PEEK5600G	PEEK5600GF30	PEEK5600CF30	PEEK5600LF30	PEEK5600FE20
			100%PEEK	PEEK+30% glass fiber	PEEK+30% carbon fiber	PEEK+30%(carbon fiber+graphite+PTFE)	PEEK+20%PTFE
Colour	-	-	Natural	Natural	Black	Black	Natural
Melt Flow Rate (400°C, 2.16kg)	ISO 1133	g/10min	6-10	2-5	1-3	2-5	/
Density	ISO 1183	g/cm³	1.30±0.02	1.50±0.02	1.40±0.02	1.44±0.02	1.41±0.02
Water Absorption (23°C, 24Hrs)	ISO 62-1	%	0.07	0.05	0.04	0.05	0.15
Mould Shrinking Percentage	Parallel to the flow direction	%	1.2	0.4	0.1	0.3	1.3
	Perpendicular to the direction of flow	%	1.5	0.8	0.5	0.6	1.8
Rockwell Hardness	GB/T 3398.2	HRR	118	119	121	108	113
Flammability Rating	UL 94	/	V-0	V-0	V-0	V-0	/
Friction Coefficient	ASTM D3702	100N-120rpm	0.30-0.38	0.38-0.46	0.15-0.25	0.18-0.30	0.1-0.2

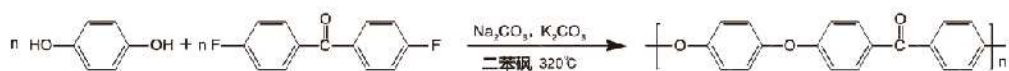
* This parameter represents a value, not a guaranteed value. If you need to call me division technology department for more detailed technical indicators!

Brand Number	PEEK5600G	PEEK5600CF30	PEEK5600GF30	PEEK5600LF30
PEEK Resin				
PEEK Sheet Rod/Tube				
PEEK Product				



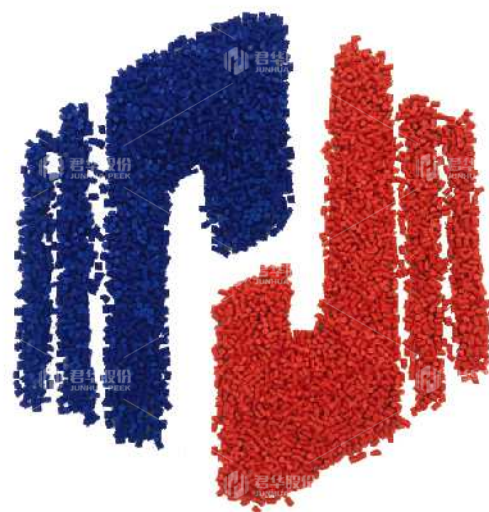
PEEK Resin

Our PEEK material adopts the patented technology of Jilin University. In the aprotic polar solvent, diphenyl sulfone is used as solvent, and 4,4'-difluorobenzophenone and hydroquinone are used as monomers. In the presence of an alkali metal carbonate, it is formed by polycondensation at a high temperature. During the polymerization, the purpose of controlling the molecular weight of PEEK is achieved by controlling the viscosity of the polymerization. In order to meet the various needs of customers, we will modify PEEK, adding carbon fiber, glass fiber and other reinforcing materials to improve the mechanical properties of PEEK; adding PTFE, molybdenum disulfide, etc. to improve the self-lubricating ability of PEEK, and then Improve wear resistance; add titanium dioxide, zirconium dioxide, etc. to improve mechanical rigidity and ensure electrical performance. In addition, in order to meet customer needs, we can provide white, black, yellow, green and other color PEEK particles.






PEEK has outstanding properties like high and low temperature resistance, flame retardant, radiation resistance and mechanical properties, which makes it can be used as ultra high temperature conductor in aerospace industry. In the petroleum industry, it can be used as the submerged pump motor winding wire and connecting line. In the atomic power plant, the winding coil which can be used as the nuclear island driving mechanism is used under irradiation conditions for a long time.





PEEK Rod

Extruded PEEK rod (natural or modified) from dia 3mm to dia 300mm, length from 1000mm to 3000mm, All the diameters we keep ready stock. Special diameter according to order is also available.

	Material	Diameter(mm)	Length(mm)	Color
	PEEK5600G	3~300	1000, 3000	Natural, Black
	PEEK5600CF30	5~180	1000, 3000	Black
	PEEK5600LF30	5~180	1000, 3000	Black
	PEEK5600GF30	5~260	1000, 3000	Natural
	ESD PEEK	5~260	1000, 3000	Black

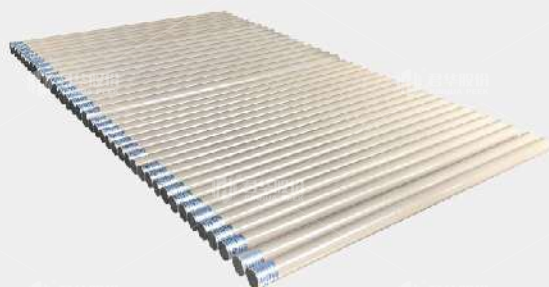


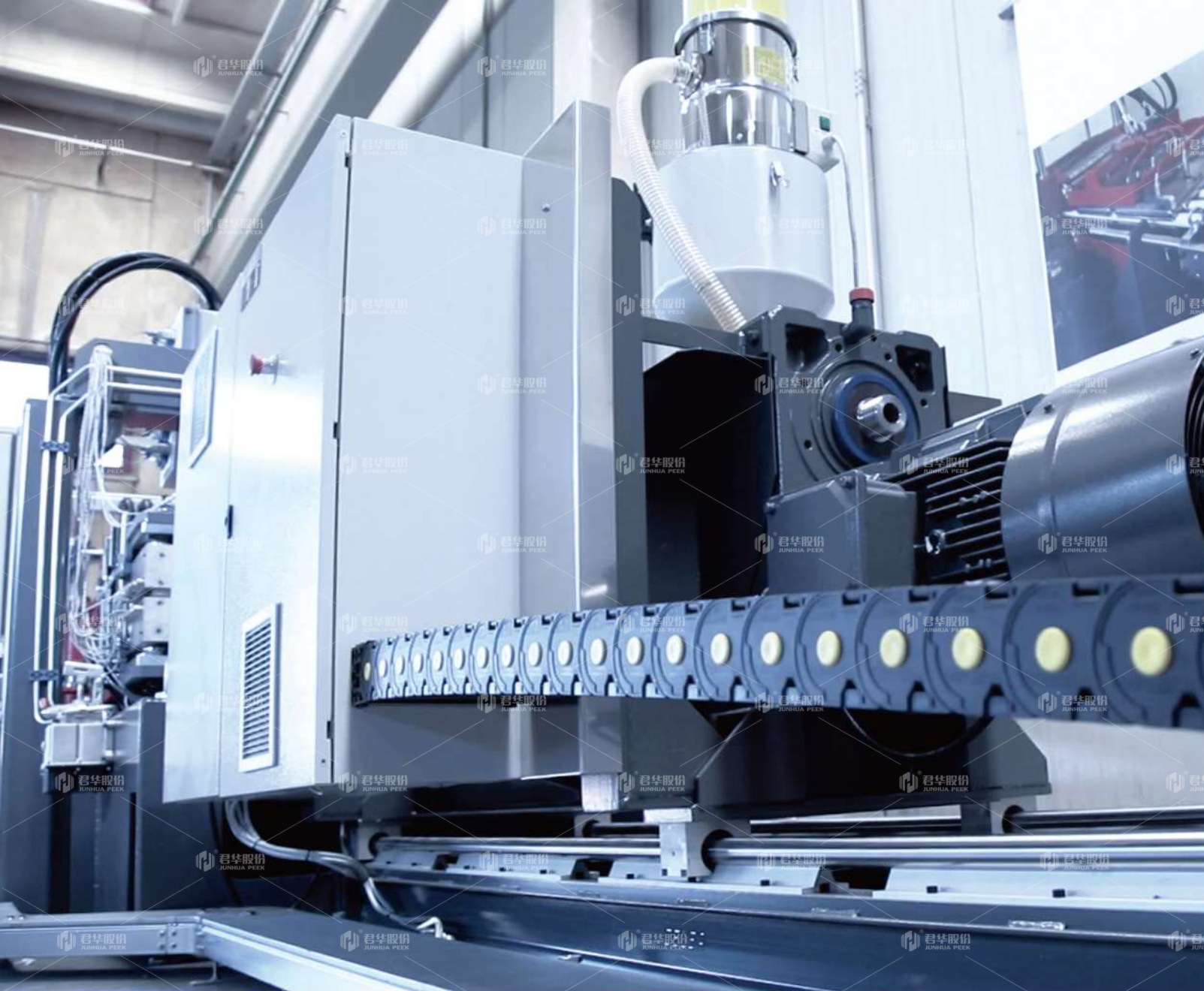
PEEK Rod Specification Table

	Rod Diameter (mm)	Dimensional Tolerance (mm)	Roundness Tolerance (mm)	Weight Per Meter (kg/m)			
				PEEK5600G	PEEK5600CF30	PEEK5600GF30	PEEK5600LF30
1	3	+0.1/+0.6	0.1	0.01	0.01	0.01	0.01
2	4	+0.1/+0.6	0.1	0.02	0.02	0.02	0.02
3	5	+0.1/+0.6	0.1	0.03	0.04	0.04	0.04
4	6	+0.1/+0.6	0.1	0.05	0.05	0.06	0.06
5	8	+0.1/+0.8	0.2	0.06	0.07	0.08	0.08
6	10	+0.1/+0.8	0.2	0.12	0.13	0.14	0.13
7	12	+0.2/+1.2	0.3	0.16	0.17	0.19	0.18
8	13	+0.2/+1.2	0.3	0.18	0.21	0.23	0.22
9	15	+0.2/+1.2	0.3	0.25	0.27	0.29	0.28
10	16	+0.2/+1.2	0.3	0.28	0.28	0.31	0.29
11	18	+0.2/+1.2	0.3	0.36	0.38	0.42	0.39
12	20	+0.2/+1.2	0.3	0.45	0.45	0.53	0.51
13	22	+0.3/+1.5	0.3	0.54	0.56	0.61	0.58
14	25	+0.3/+1.5	0.3	0.67	0.65	0.76	0.72
15	26	+0.3/+1.5	0.3	0.73	0.78	0.86	0.81
16	28	+0.3/+1.5	0.3	0.85	0.92	1.03	0.95
17	30	+0.3/+1.5	0.3	1.00	0.97	1.18	1.02
18	32	+0.3/+1.5	0.3	1.10	1.12	1.29	1.22
19	33	+0.3/+1.5	0.3	1.19	1.28	1.39	1.31
20	35	+0.3/+2.0	0.3	1.35	1.34	1.42	1.35
21	38	+0.3/+2.0	0.3	1.52	1.66	1.81	1.71
22	40	+0.3/+2.0	0.3	1.79	1.90	2.06	1.94
23	42	+0.3/+2.0	0.3	1.91	2.05	2.22	2.11
24	45	+0.3/+2.0	0.3	2.21	2.32	2.56	2.39
25	50	+0.3/+2.0	0.3	2.71	2.81	3.13	3.14
26	53	+0.3/+2.0	0.3	2.95	3.15	3.45	3.26
27	55	+0.3/+2.0	0.3	3.34	3.64	3.85	3.62
28	60	+0.3/+2.5	0.3	3.95	4.16	4.60	4.21
29	65	+0.3/+2.5	0.3	4.61	4.89	5.32	5.03
30	70	+0.6/+2.5	0.35	5.59	5.97	6.45	6.10

	Rod Diameter (mm)	Dimensional Tolerance (mm)	Roundness Tolerance (mm)	Weight Per Meter (kg/m)			
				PEEK5600G	PEEK5600CF30	PEEK5600GF30	PEEK5600LF30
31	72	+0.6/+2.5	0.35	5.44	5.86	6.27	6.07
32	75	+0.6/+2.5	0.35	6.12	6.49	7.06	6.68
33	78	+0.6/+2.5	0.35	6.37	6.86	7.35	7.1
34	80	+0.6/+3	0.35	7.13	7.61	8.22	7.78
35	85	+0.6/+3	0.35	8.03	8.52	9.26	8.77
36	90	+0.6/+3	0.35	8.87	9.41	10.23	9.68
37	93	+0.6/+3	0.35	9.02	9.71	10.4	10.1
38	95	+0.6/+3	0.35	9.43	10.13	11.08	10.42
39	100	+0.6/+3	0.35	10.83	11.50	12.49	11.82
40	105	+0.6/+3	0.35	11.47	12.35	13.23	12.79
41	110	+0.6/+3	0.35	13.22	14.03	15.25	14.44
42	115	+0.6/+3	0.35	13.53	14.78	16.06	15.22
43	120	+0.6/+3.5	0.35	15.44	16.42	17.62	16.67
44	125	+0.6/+3.5	0.4	16.30	17.21	18.73	17.74
45	130	+0.6/+3.5	0.4	18.10	19.21	20.88	19.70
46	140	+0.6/+3.5	0.4	21.30	22.61	24.57	23.26
47	150	+1.1/+5.0	0.4	24.10	25.58	27.80	26.36
48	160	+1.1/+5.0	0.5	27.15	28.80	31.32	29.65
49	165	+1.1/+5.0	0.5	29.35	31.15	33.89	32.05
50	170	+1.1/+5.0	0.5	30.22	32.49	35.04	33.43
51	180	+1.1/+5.0	0.5	33.99	35.93	38.94	36.88
52	190	+1.1/+5.0	0.5	37.86	/	/	/
53	200	+1.1/+5.0	1.00	43.54	/	/	/
54	210	+1.1/+5.0	1.00	46.08	/	/	/
55	220	+1.3/+6.0	1.00	50.79	/	/	/
56	230	+1.3/+6.0	1.00	55.56	/	/	/
57	250	+1.5/+6.5	1.00	65.51	/	/	/
58	260	+1.5/+6.5	1.00	71.12	/	/	/
59	300	+2.0/+15.0	2.0	100.17	/	/	/

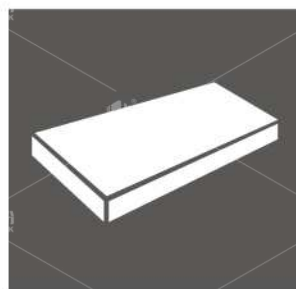
Note: The actual weight is subject to weighing.



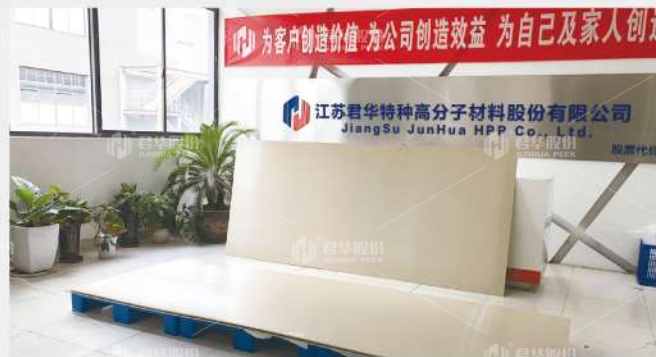
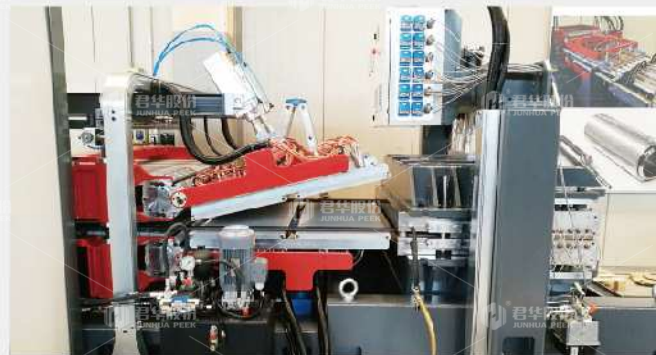


PEEK Sheet/Plate

Junhua introduced PEEK profile extrusion production line, extrusion 1250mm wide size PEEK sheet, Junhua extrusion sheet width from 600mm wide breakthrough to 1250mm, will meet the valve and other industries large size PEEK parts for ultra-wide PEEK sheet demand, better improve production efficiency, improve PEEK product quality, Ensure delivery time and reduce costs. At the same time, the wide plate has a higher material utilization rate during typesetting and cutting machining.



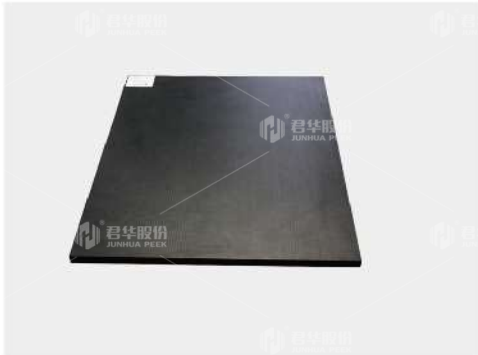
Material	Width(mm)	Thickness(mm)	Length(mm)	Color
PEEK5600G	600~1250	5~100	1000, 3000	Natural, Black, Red, Yellow
PEEK5600CF30	600	6~60	1000, 3000	Black
PEEK5600LF30	600	6~60	1000, 3000	Black
PEEK5600GF30	600	5~60	1000, 3000	Natural, Black
ESD PEEK	600	6~60	1000	Black
CF/PEEK	600, 1000	2~50	1000, 1200	Black



PEEK Sheet Specification Table

	Size(W×T)(mm)	Dimensional Tolerance(mm)		Size(W×T)(mm)	Dimensional Tolerance(mm)		Size(W×T)(mm)	Dimensional Tolerance(mm)		Special Size (W×T)(mm)	Dimensional Tolerance(mm)
1	600 X 5	+0.1/+1.0	21	600 X 60	+0.3/+3.0	41	1250 X 25	+0.3/+1.5	59	185 X 173	+0.3/+5.0
2	600 X 6	+0.1/+1.0	22	600 X 65	+0.3/+3.0	42	1250 X 28	+0.3/+2.0	60	186 X 141	+0.3/+5.0
3	600 X 7	+0.1/+1.0	23	600 X 70	+0.3/+3.5	43	1250 X 30	+0.3/+2.0	61	207 X 78	+0.3/+5.0
4	600 X 8	+0.1/+1.5	24	600 X 75	+0.3/+3.5	44	1250 X 32	+0.3/+2.0	62	365 X 205	+0.3/+5.0
5	600 X 10	+0.1/+1.5	25	600 X 80	+0.3/+4.0	45	1250 X 35	+0.3/+2.0	63	407 X 125	+0.3/+5.0
6	600 X 12	+0.3/+1.5	26	600 X 85	+0.3/+4.0	46	1250 X 40	+0.3/+2.0			
7	600 X 15	+0.3/+1.5	27	600 X 90	+0.3/+4.0	47	1250 X 45	+0.3/+2.0			
8	600 X 16	+0.3/+1.5	28	600 X 95	+0.3/+4.0	48	1250 X 50	+0.3/+2.5			
9	600 X 18	+0.3/+1.5	29	600 X 100	+0.3/+5.0	49	1250 X 55	+0.3/+2.5			
10	600 X 20	+0.3/+1.5	30	1250 X 5	+0.1/+1.0	50	1250 X 60	+0.3/+3.0			
11	600 X 22	+0.3/+1.5	31	1250 X 6	+0.1/+1.0	51	1250 X 65	+0.3/+3.0			
12	600 X 25	+0.3/+1.5	32	1250 X 7	+0.1/+1.0	52	1250 X 70	+0.3/+3.5			
13	600 X 28	+0.3/+2.0	33	1250 X 8	+0.1/+1.5	53	1250 X 75	+0.3/+3.5			
14	600 X 30	+0.3/+2.0	34	1250 X 10	+0.1/+1.5	54	1250 X 80	+0.3/+4.0			
15	600 X 32	+0.3/+2.0	35	1250 X 12	+0.3/+1.5	55	1250 X 85	+0.3/+4.0			
16	600 X 35	+0.3/+2.0	36	1250 X 15	+0.3/+1.5	56	1250 X 90	+0.3/+4.0			
17	600 X 40	+0.3/+2.0	37	1250 X 16	+0.3/+1.5	57	1250 X 95	+0.3/+4.0			
18	600 X 45	+0.3/+2.0	38	1250 X 18	+0.3/+1.5	58	1250 X 100	+0.3/+5.0			
19	600 X 50	+0.3/+2.5	39	1250 X 20	+0.3/+1.5						
20	600 X 55	+0.3/+2.5	40	1250 X 22	+0.3/+1.5						

Note: The actual weight is subject to weighing.The length of PEEK sheet ranges from 1000mm to 3000mm, which can be customized according to requirements.





PEEK Sheet

PEEK sheet processed by continuous extrusion process has high surface finish and uniform size, and is widely used in electronics, textile printing and aerospace.



PEEK Sheet Specification Table

Serial Number	Size(T×W×L)(mm)	Weight(kg/m)
1	1*600*1000	0.9
2	2*650*1000	1.9
3	3*650*1000	2.8
4	4*650*1000	3.4
5	5*650*1000	4.3

PEEK Film/Sheet

PEEK film/sheet is made of PEEK particles by high temperature melting, casting molding. The films produced by our company are mainly divided into amorphous transparent films and crystalline films.

PEEK Film/Sheet Specification Table

Serial Number	Size(T×W×L)(mm)	Weight(kg/m)
1	(0.1- 0.4)*1360*1000	0.18- 0.72
2	(0.5- 0.8)*680*1000	0.44- 0.72



PEEK Tube

The PEEK tube produced by the continuous extrusion process solves the technical problem that the molding process product is highly restricted and the injection molding process is prone to generate internal shrinkage holes. At the same time, it reduces the waste of material and reduce machining costs. The tube can be processed into ring parts such as seal ring, piston ring, wear sleeve and valve seal, which are widely used in petrochemical, electronic semiconductor and other industries.



PEEK Tube Specification Table

	OD×ID(mm)	OD Tolerance (mm)	ID Tolerance (mm)	Roundness Tolerance(mm)		OD×ID(mm)	OD Tolerance (mm)	ID Tolerance (mm)	Roundness Tolerance(mm)		OD×ID(mm)	OD Tolerance (mm)	ID Tolerance (mm)	Roundness Tolerance(mm)
1	23 X 12	0/+1.2	-1.2/0	0.5	54	113 X 81	0/+2.5	-2.5/0	1.0	107	224 X 191	0/+4.0	-4.0/0	2.0
2	24 X 19	0/+1.2	-1.2/0	0.5	55	113 X 89	0/+2.5	-2.5/0	1.0	108	224 X 195	0/+4.0	-4.0/0	2.0
3	33 X 18	0/+1.5	-1.5/0	0.5	56	116 X 81	0/+2.5	-2.5/0	1.0	109	228 X 210	0/+4.0	-4.0/0	2.0
4	37 X 17	0/+1.5	-1.5/0	0.5	57	119 X 59	0/+2.5	-2.5/0	1.0	110	237 X 142	0/+4.0	-4.0/0	2.0
5	39 X 19	0/+1.5	-1.5/0	0.5	58	119 X 89	0/+2.5	-2.5/0	1.0	111	237 X 145	0/+4.0	-4.0/0	2.0
6	43 X 21	0/+1.5	-1.5/0	0.6	59	120 X 99	0/+2.5	-2.5/0	1.0	112	237 X 169	0/+4.0	-4.0/0	2.0
7	46 X 21	0/+1.5	-1.5/0	0.6	60	122 X 84	0/+2.5	-2.5/0	1.0	113	239 X 190	0/+4.0	-4.0/0	2.0
8	49 X 38	0/+1.5	-1.5/0	0.6	61	122 X 93	0/+2.5	-2.5/0	1.0	114	239 X 210	0/+4.0	-4.0/0	2.0
9	51 X 28	0/+2.0	-2.0/0	0.6	62	126 X 74	0/+3.0	-3.0/0	1.0	115	242 X 219	0/+4.0	-4.0/0	2.0
10	51 X 32	0/+2.0	-2.0/0	0.6	63	126 X 86	0/+3.0	-3.0/0	1.0	116	243 X 161	0/+4.0	-4.0/0	2.0
11	56 X 40	0/+2.0	-2.0/0	0.6	64	126 X 103	0/+3.0	-3.0/0	1.0	117	248 X 195	0/+4.0	-4.0/0	2.0
12	61 X 39	0/+2.5	-2.5/0	0.6	65	129 X 79	0/+3.0	-3.0/0	1.0	118	249 X 119	0/+4.0	-4.0/0	2.0
13	61 X 35	0/+2.5	-2.5/0	0.6	66	129 X 99	0/+3.0	-3.0/0	1.0	119	251 X 177	0/+5.0	-5.0/0	3.0
14	64 X 39	0/+2.5	-2.5/0	0.6	67	134 X 54	0/+3.0	-3.0/0	1.0	120	251 X 186	0/+5.0	-5.0/0	3.0
15	64 X 35	0/+2.5	-2.5/0	0.6	68	134 X 71	0/+3.0	-3.0/0	1.0	121	255 X 190	0/+5.0	-5.0/0	3.0
16	66 X 30	0/+2.5	-2.5/0	0.6	69	134 X 98	0/+3.0	-3.0/0	1.0	122	259 X 220	0/+5.0	-5.0/0	3.0
17	66 X 35	0/+2.5	-2.5/0	0.6	70	134 X 104	0/+3.0	-3.0/0	1.0	123	260 X 214	0/+5.0	-5.0/0	3.0
18	66 X 45	0/+2.5	-2.5/0	0.6	71	134 X 109	0/+3.0	-3.0/0	1.0	124	261 X 220	0/+5.0	-5.0/0	3.0
19	71 X 30	0/+2.5	-2.5/0	0.8	72	134 X 114	0/+3.0	-3.0/0	1.0	125	266 X 233	0/+5.0	-5.0/0	3.0
20	71 X 49	0/+2.5	-2.5/0	0.8	73	135 X 67	0/+3.0	-3.0/0	1.0	126	283 X 201	0/+5.0	-5.0/0	3.0
21	73 X 41	0/+2.5	-2.5/0	0.8	74	142 X 56	0/+3.0	-3.0/0	1.0	127	283 X 226	0/+5.0	-5.0/0	3.0
22	78 X 48	0/+2.5	-2.5/0	0.8	75	142 X 74	0/+3.0	-3.0/0	1.0	128	284 X 244	0/+5.0	-5.0/0	3.0
23	78 X 55	0/+2.5	-2.5/0	0.8	76	142 X 118	0/+3.0	-3.0/0	1.0	129	284 X 248	0/+5.0	-5.0/0	3.0
24	82 X 35	0/+2.5	-2.5/0	0.8	77	144 X 110	0/+3.0	-3.0/0	1.0	130	285 X 264	0/+5.0	-5.0/0	3.0
25	82 X 50	0/+2.5	-2.5/0	0.8	78	155 X 120	0/+3.0	-3.0/0	2.0	131	289 X 260	0/+5.0	-5.0/0	3.0
26	82 X 58	0/+2.5	-2.5/0	0.8	79	155 X 130	0/+3.0	-3.0/0	2.0	132	289 X 267	0/+5.0	-5.0/0	3.0
27	84 X 71	0/+2.5	-2.5/0	0.8	80	160 X 89	0/+3.0	-3.0/0	2.0	133	293 X 260	0/+5.0	-5.0/0	3.0
28	86 X 43	0/+2.5	-2.5/0	0.8	81	160 X 112	0/+3.0	-3.0/0	2.0	134	293 X 266	0/+5.0	-5.0/0	3.0
29	86 X 53	0/+2.5	-2.5/0	0.8	82	160 X 130	0/+3.0	-3.0/0	2.0	135	303 X 235	0/+6.0	-6.0/0	3.0
30	91 X 45	0/+2.5	-2.5/0	0.8	83	160 X 140	0/+3.0	-3.0/0	2.0	136	303 X 239	0/+6.0	-6.0/0	3.0
31	91 X 56	0/+2.5	-2.5/0	0.8	84	164 X 99	0/+3.0	-3.0/0	2.0	137	305 X 262	0/+6.0	-6.0/0	3.0
32	91 X 70	0/+2.5	-2.5/0	0.8	85	164 X 134	0/+3.0	-3.0/0	2.0	138	324 X 262	0/+6.0	-6.0/0	3.0
33	91 X 77	0/+2.5	-2.5/0	0.8	86	171 X 114	0/+3.0	-3.0/0	2.0	139	324 X 277	0/+6.0	-6.0/0	3.0
34	92 X 36	0/+2.5	-2.5/0	0.8	87	171 X 127	0/+3.0	-3.0/0	2.0	140	335 X 240	0/+6.0	-6.0/0	3.0
35	94 X 70	0/+2.5	-2.5/0	0.8	88	172 X 134	0/+3.0	-3.0/0	2.0	141	335 X 294	0/+6.0	-6.0/0	3.0
36	97 X 56	0/+2.5	-2.5/0	0.8	89	171 X 150	0/+3.0	-3.0/0	2.0	142	342 X 239	0/+6.0	-6.0/0	3.0
37	97 X 66	0/+2.5	-2.5/0	0.8	90	180 X 84	0/+3.0	-3.0/0	2.0	143	345 X 315	0/+6.0	-6.0/0	3.0
38	97 X 81	0/+2.5	-2.5/0	0.8	91	184 X 150	0/+3.0	-3.0/0	2.0	144	350 X 332	0/+7.0	-7.0/0	4.0
39	99 X 79	0/+2.5	-2.5/0	0.8	92	187 X 137	0/+3.0	-3.0/0	2.0	145	362 X 248	0/+7.0	-7.0/0	4.0
40	100 X 89	0/+2.5	-2.5/0	0.8	93	189 X 134	0/+3.0	-3.0/0	2.0	146	362 X 270	0/+7.0	-7.0/0	4.0
41	102 X 79	0/+2.5	-2.5/0	0.8	94	189 X 157	0/+3.0	-3.0/0	2.0	147	362 X 288	0/+7.0	-7.0/0	4.0
42	103 X 71	0/+2.5	-2.5/0	0.8	95	192 X 150	0/+3.0	-3.0/0	2.0	148	362 X 312	0/+7.0	-7.0/0	4.0
43	105 X 67	0/+2.5	-2.5/0	0.8	96	203 X 122	0/+4.0	-4.0/0	2.0	149	376 X 343	0/+7.0	-7.0/0	4.0
44	105 X 75	0/+2.5	-2.5/0	0.8	97	205 X 164	0/+4.0	-4.0/0	2.0	150	377 X 277	0/+7.0	-7.0/0	4.0
45	105 X 78	0/+2.5	-2.5/0	0.8	98	205 X 169	0/+4.0	-4.0/0	2.0	151	377 X 294	0/+7.0	-7.0/0	4.0
46	105 X 79	0/+2.5	-2.5/0	0.8	99	205 X 181	0/+4.0	-4.0/0	2.0	152	377 X 313	0/+7.0	-7.0/0	4.0
47	107 X 66	0/+2.5	-2.5/0	1.0	100	207 X 174	0/+4.0	-4.0/0	2.0	153	380 X 240	0/+7.0	-7.0/0	4.0
48	107 X 75	0/+2.5	-2.5/0	1.0	101	209 X 134	0/+4.0	-4.0/0	2.0	154	386 X 343	0/+7.0	-7.0/0	4.0
49	107 X 89	0/+2.5	-2.5/0	1.0	102	214 X 137	0/+4.0	-4.0/0	2.0	155	413 X 354	0/+8.0	-8.0/0	4.0
50	113 X 43	0/+2.5	-2.5/0	1.0	103	216 X 161	0/+4.0	-4.0/0	2.0	156	428 X 392	0/+8.0	-8.0/0	4.0
51	113 X 58	0/+2.5	-2.5/0	1.0	104	222 X 141	0/+4.0	-4.0/0	2.0	157	430 X 372	0/+8.0	-8.0/0	4.0
52	113 X 59	0/+2.5	-2.5/0	1.0	105	224 X 128	0/+4.0	-4.0/0	2.0	158	453 X 392	0/+8.0	-8.0/0	4.0
53	113 X 70	0/+2.5	-2.5/0	1.0	106	224 X 177	0/+4.0	-4.0/0	2.0	159	597 X 447	0/+8.0	-8.0/0	4.0

PEEK Capillary Tube

PEEK is widely used in analytical instruments, semiconductor and medical industries because of its excellent chemical stability and corrosion resistance, high toughness, high strength PEEK capillary molding through continuous extrusion process, good dimensional stability, high pressure resistance, used in a variety of analytical instruments and equipment flow path.

PEEK Capillary Tube Specification Table

Serial Number	OD×ID (mm)	Serial Number	OD×ID (mm)
1	0.5×0.3~0.4	17	1.9×0.3~1.8
2	0.6×0.3~0.5	18	2.0×0.3~1.9
3	0.7×0.3~0.6	19	2.1×0.3~2.0
4	0.8×0.3~0.7	20	2.2×0.3~2.1
5	1/32"×0.25/0.5	21	2.3×0.3~2.2
6	0.9×0.3~0.8	22	2.4×0.3~2.3
7	1.0×0.3~0.9	23	2.5×0.3~2.4
8	1.1×0.3~1.0	24	2.6×0.3~2.5
9	1.2×0.3~1.1	25	2.7×0.3~2.6
10	1.3×0.3~1.2	26	2.8×0.3~2.7
11	1.4×0.3~1.3	27	2.9×0.3~2.8
12	1.5×0.3~1.4	28	3.0×0.3~2.9
13	1/16"×0.1/0.13/0.25 0.38/0.5/0.75/1.0/1.2	29	1/8"×1/16"/0.5/0.75 1.0/1.2/2.0/2.2
14	1.6×0.3~1.5	30	3.2×0.3~3.0
15	1.7×0.3~1.6	31	4.95×4.15/4.25 4.35/4.55
16	1.8×0.3~1.7		

other sizes are available for customized production.

PEEK Filament

PEEK filaments: high toughness, high strength PEEK filaments through continuous extrusion process molding, good dimensional stability, continuous molding thousands of meters without breaking, widely used in 3D printing, PTA and other industries.

PEEK Filament Specification Table

Serial Number	Size/mm	Serial Number	Size/mm
1	Φ0.15	6	Φ1.0
2	Φ0.2	7	Φ1.5
3	Φ0.25	8	Φ1.75
4	Φ0.3	9	Φ2
5	Φ0.5	10	Φ3.0



Serial Number	OD×ID (mm)
32	9.52×8.92
33	9.86×9.26
34	10×8.7
35	12×10/11
36	13×12
37	17.1×16.1
38	22.6×22.1



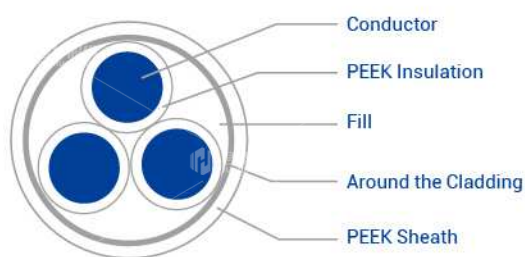
Color Available:

Natural | Black | Blue | Green | Violet | Red | Orange | Yellow | Pink



PEEK Cable

PEEK has outstanding properties like high and low temperature resistance, flame retardant, radiation resistance and mechanical properties, which makes it can be used as ultra high temperature conductor in aerospace industry. In the petroleum industry, it can be used as the submerged pump motor winding wire and connecting line. In the atomic power plant, the winding coil which can be used as the nuclear island driving mechanism is used under irradiation conditions for a long time; it is also widely used in high-speed traction locomotives.



CF/PEEK Thermoplastic Composite Prepreg, Laminate and Product

As a typical high-performance thermoplastic resin, PEEK is the top of its special engineering plastics. It has outstanding performance and is compounded with continuous carbon fiber to effectively combine the properties of the two materials, and the overall performance is even better. Continuous carbon fiber CF/PEEK thermoplastic composite materials have been widely used in aerospace, medical, automotive and other fields due to their excellent performance. They are also the focus of research in universities, research institutes and enterprises.

Characteristics of Continuous carbon fiber CF/PEEK composite material

X-ray Transparent

Corrosion Resistance

High Temperature Resistance

Low Specific Gravity

High Fatigue Resistance

Good interlayer Bonding Strength

Dimensional Stability

Impact Resistance and High Strength

Continuous Carbon Fiber CF/PEEK Thermoplastic Composite Prepreg, Laminate



Continuous Carbon Fiber CF/PEEK Performance Table

Item	Unit	UD Tape 0 °	UD Tape 0 °/90 °	Fabric Semi- Preg	Test Standard
Carbon Fiber Mass Content	%	66	66	60	ASTM D3529
Density	g/cm ³	1.58	1.58	1.55	ASTM D792
Hardness	/	105	104	102	ASTM D785
Tensile Strength	MPa	2200	880	700	ASTM D3039
Tensile Modulus	GPa	130	73	70	ASTM D3039
Flexural Strength	MPa	2000	1400	900	ASTM D7264
Flexural Modulus	GPa	116	65	73	ASTM D7264
Compressive strength	MPa	1200	670	630	ASTMD 6641
Compressive Modulus	GPa	120	60	56	ASTMD 6641
Distortion temperature	°C	332	332	332	ASTM D648
Compression strength after impact	MPa	220	225	230	ASTM D7137
Type 1 interbedded fracture toughness	J/m ²	1400	1410	1430	ASTM D5528
Short beam intensity	MPa	110	100	80	ASTM D2344
In- plane Shear Strength- 0.5%	MPa	140		145	ASTM D3518
In- plane Shear Modulus	GPa	4.5		4.5	ASTM D3518

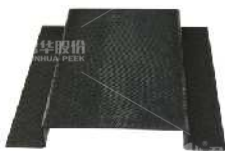
Continuous Carbon Fiber CF/PEEK Compare With Other Materials

Item	Unit	Bidirectional Braided Prepreg Laminate	PEEK5600CF30	Aluminium Alloy-6063
Carbon Fiber Mass Content	%	60	30	0
Density	g/cm ³	1.55	1.4	2.69
Tensile Strength	MPa	700	220	≥205
Flexural Strength	MPa	900	298	≥170

CF/PEEK Sheet Specification Table

Serial Number	Size(mm)	Serial Number	Size(mm)
1	200*155	5	1080*680
2	310*260	6	1350*680
3	330*250	7	1200*1000
4	440*290		

CF/PEEK Products



Aerospace

Body panel, fastening system
Radome, wing tank access cover.



Other industry applications

PEEK star wheel, composite panel for fluorescent analysis instrument industry, bushing (pump), bearing (pump), gasket (pump), loom lever, sealing ring.



Connecting corner pieces

Typical application on aviation aircraft, applied to the lap joint of truss or stringer, good impact resistance, fatigue resistance, wear resistance, high and low temperature resistance.



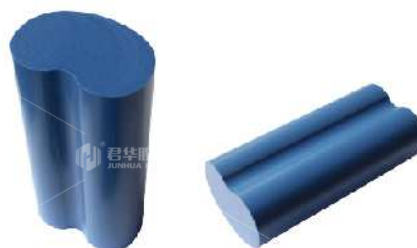
Medical device industry

External fixation equipment (rods, shafts), tractors, cervical vertebrae, orthopedic tools.

PPSU Sheet/Rod/Tube/Special Shaped

PPSU is kind of amorphous, high-performance thermoplastic plastic. Compared with PSU and PEI, PPSU has better impact resistance and chemical resistance.

Through high pressure steam sterilizing test, PPSU is proved to have the best hydrolysis resistant better than other amorphous plastic. In fact, PPSU can stand million times of high pressure steam sterilizing, which makes PPSU a very good choice for medical application.



PPSU Key Advantages

- ◆ High temperature resistance
- ◆ High hardness
- ◆ Good chemical compatibility
- ◆ Good impact resistance
- ◆ Good dimension stability
- ◆ Good electricity insulation
- ◆ Good hydrolysis resistance
- ◆ Excellent resistance to high energy radiation (γ Ray and X Ray)
- ◆ Good dielectric properties



PPSU Sheet/Rod Color

Color Color Number	Black	Natural	Light Blue	Dark Blue	Green	Yellow	Grey	Red	White
	BL001	N000	BB09	DB0099	GR350	Y159	GG6126	R8040	W002
									

Color number is for both stock shapes and machined parts

PPSU Data Sheet

Typical values for uncolored product at 23°C		Testing method	Unit	Data
Mechanical Properties				
Tensile Strength		ISO 527-1/-2	MPa	70
Tensile Modulus		ISO 527-1/-2	MPa	2270
Tensile Elongation(Yield)		ISO 527-1/-2	%	7.8
Flexural Strength		ISO 178	MPa	105
Flexural Modulus		ISO 178	MPa	2400
Notched Izod Impact		ISO 180/A	KJ/m ²	68
Thermal Properties				
Heat Deflection Temperature HDT/A @1.8MPa		ISO 75-1/-2	°C	196
Glass Transition Temperature DSC, 10°C/min		ISO 11357-1/-2	°C	220
CLTE-Flow@23°C		ISO11359-1/-2	E ⁻⁶ /K	55
Flammability				
Flame Rating@1.5mm thickness		UL94	Class	V-0
Electrical Properties				
100V Volume Resistivity		IEC 60093	Ω·m	>1E13
100V Surface Resistivity		IEC 60093	Ω	>1E15
Dielectric Constant	@100HZ	IEC 60250		3.8
	@1MHZ			3.7
Dissipation factor	@100HZ	IEC 60250	E ⁻⁴	15
	@1MHZ		E ⁻⁴	86
Dielectric Strength K20/K20, (60*60*1 mm3)		IEC 60243-1	KV/mm	44
CTI		IEC 60112		150
General Properties and Processability				
Density		ISO1183	g/cm ³	1.29
Moisture Absorption, Equilibrium 23°C/50% r.h		ISO62	%	0.6
Mold shrinkage(Flow)		ISO 2577, 294-4	%	0.9
Mold shrinkage (Vertical)		ISO 2577, 294-4	%	1
MFR @365°C/5kg		ISO 1133	g/10min	28-38
Processing (Melt)Temp, Injection/Extrusion			°C	350-390
Mold Temp, Injection/Extrusion			°C	140-180

Notes:

Typical values: These are not to be construed as specifications.



PPSU Rod Specification Table

Serial Number	Rod Diameter (mm)	Serial Number	Rod Diameter (mm)	Serial Number	Rod Diameter (mm)	Serial Number	Rod Diameter (mm)
1	5	13	25	25	48	37	95
2	6	14	26	26	50	38	96.5
3	8	15	26.7	27	53	39	100
4	10	16	28	28	55	40	106
5	12	17	30	29	60	41	110
6	13	18	32	30	65	42	115
7	15	19	33	31	70	43	120
8	16	20	35	32	75	44	125
9	18	21	38	33	80	45	130
10	20	22	40	34	85	46	140
11	21	23	42	35	90	47	150
12	22	24	45	36	94		

Typical Applications of PPSU in the Medical Industry



PPSU Battery Box



PPSU Spine Extension



PPSU Puncture Handle



PPSU Joint Head

PI Sheet/Rod/Products



Ultra High Temperature Polyimide (PI) Polymer

Feature advantages



High Temperature Resistance



Resistance to Deformation



Corrosion Resistance



Ultra-low Exhaust Volume in Vacuum



Wear Resistance



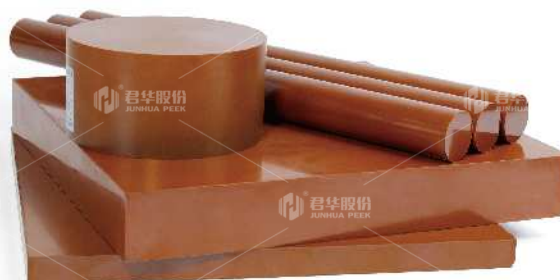
Electrical Insulation



Radiation Resistance

Application field

Now widely used in automotive, semiconductor, office equipment, electrical and electronic equipment, scientific instruments, hot runners, petrochemical equipment, general machinery, textile machinery, laser printing, medical equipment and other fields.








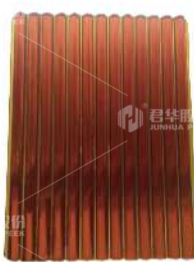


- ◆ Mould hot runner insulation board, insulation ring
- ◆ Chip test box
- ◆ Laser embossing roller
- ◆ Semiconductor industry fixture
- ◆ Rolling, sliding, thrust washer
- ◆ Gear
- ◆ Glass industry bracket
- ◆ Piston ring
- ◆ copier separation claw
- ◆ Semiconductor chip nozzle
- ◆ Gas Chromatography Seal
- ◆ Valve
- ◆ Plasma torch vortex ring
- ◆ Car engine gasket
- ◆ Microwave parts



PI Data Sheet

Test Items	Dielectric Constant	Unit	JHPI-10	JHPI-10-21	JHPI-10-22	JHPI- HT	JHPI-YS	JSJHTPI-01	JSJHTPI-02
Density	ISO 1183	g/cm ³	1.40	1.43	1.7	1.4	1.36	1.32	1.36
Tensile Strength	ISO 527	MPa	96	90	60	92	121	90	97
Elongation at Break	ISO 527	%	10	5	2.5	8	13	8	8
Bending Strength	ISO 178	MPa	148	126	90	140	171	130	138
Charpy Impact Strength	ISO 179	MPa	90	135	13	88	(No Break)	100	(No Break)
Heat Distortion Temperature	ISO 75-1/-2	℃	>300	>300	>300	>320	255	230	250
Continuous Using Temperature	UL746B	℃	350	350	350	380	250	250	250

• This parameter represents a value, not a guaranteed value. If you need to call me division technology department for more detailed technical indicators!

JHPI-10		JHPI-10-21	
			
<p>With high temperature resistance level, the long-term use temperature is up to 350℃, and the instantaneous temperature reaches 400℃. Because of good processing characteristics, it can be processed into bars or other special-shaped parts.</p>		<p>The long-term use temperature is 350℃, and the instantaneous temperature is above 400℃, added 15% of the Graphite, leading to a low coefficient of friction and better wear resistance.</p>	
JHPI-YS		JSJHTPI-01	
			
<p>A semi-thermoplastic polyimide material can be used up to 250 °C for a long time, and it has high dimensional stability and transparency.</p>		<p>Except Long-term use temperature of 250℃ and excellent processing performance, it can be processed by injection molding or extrusion Production of various parts or profiles.</p>	

PI Sheet Specification Table

Serial Number	Size(W×L)(mm)	Size(Thickness)(mm)	Serial Number	Size(W×L)(mm)	Size(Thickness)(mm)
1	320 × 325	4	20	290 × 440	4
2	320 × 325	6	21	290 × 440	6
3	320 × 325	8	22	290 × 440	8
4	320 × 325	10	23	290 × 440	10
5	320 × 325	12	24	290 × 440	12
6	320 × 325	15	25	290 × 440	15
7	320 × 325	16	26	290 × 440	16
8	320 × 325	18	27	290 × 440	18
9	320 × 325	20	28	290 × 440	20
10	320 × 325	22	29	290 × 440	22
11	320 × 325	25	30	290 × 440	25
12	320 × 325	30	31	290 × 440	30
13	320 × 325	32	32	290 × 440	32
14	320 × 325	35	33	290 × 440	35
15	320 × 325	40	34	290 × 440	37
16	320 × 325	46	35	290 × 440	39
17	320 × 325	50			
18	320 × 325	55			
19	320 × 325	60			

PI Rod Specification Table

Serial Number	Size(L)(mm)	Rod Diameter(mm)	Serial Number	Size(L)(mm)	Rod Diameter(mm)
1	307 / 320	4	20	290 / 440	4
2	307 / 320	6	21	290 / 440	6
3	307 / 320	8	22	290 / 440	8
4	307 / 320	10	23	290 / 440	10
5	307 / 320	12	24	290 / 440	12
6	307 / 320	15	25	290 / 440	15
7	307 / 320	16	26	290 / 440	16
8	307 / 320	18	27	290 / 440	18
9	307 / 320	20	28	290 / 440	20
10	307 / 320	22	29	290 / 440	22
11	307 / 320	25	30	290 / 440	25
12	307 / 320	30	31	290 / 440	30
13	307 / 320	32	32	290 / 440	32
14	307 / 320	35	33	290 / 440	35
15	307 / 320	40			
16	307 / 320	46			
17	307 / 320	50			
18	307 / 320	55			

PEEK Typical Application



Aerospace Industry

Junhua chinaPEEK has been working with national aerospace research agency to supply our PEEK components to satellites, rockets, and weapons, we do our part to support Chinese aerospace and military development.



PEEK Infrared Night Vision Case



PEEK Bending Pipe



PEEK Cable



Aerospace PEEK Part



PEEK Valve Core



PEEK Connecting Angle Slices



PEEK Radar Radome



PEEK Sealing Part

Medical Industry

PEEK has the advantages of high temperature resistance, corrosion resistance, high strength, X-ray transmission, resistance to repeated disinfection, and good biocompatibility. It has been widely used in the medical industry and has been equipped with many well-known medical treatments in domestic and foreign. The unit is developed and produced and successfully applied to the clinic.





Food Processing and Filling Machine

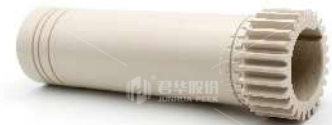
Tetra Pak, Newamstar and many other famous companies from food processing and filling machinery industry are using PEEK components from Junhua, PEEK components are widely used in washing, sterilization, aseptic packaging process.



PEEK Parts Three-piece Set



PEEK Wear-resistant Roller



PEEK Capping Machine Transmission Gear



PEEK Clamp Rail Column



PEEK Size Bottle Holder



PEEK Bottle Clamp Rail Column



PEEK Flat Fork



PEEK U-shaped fork

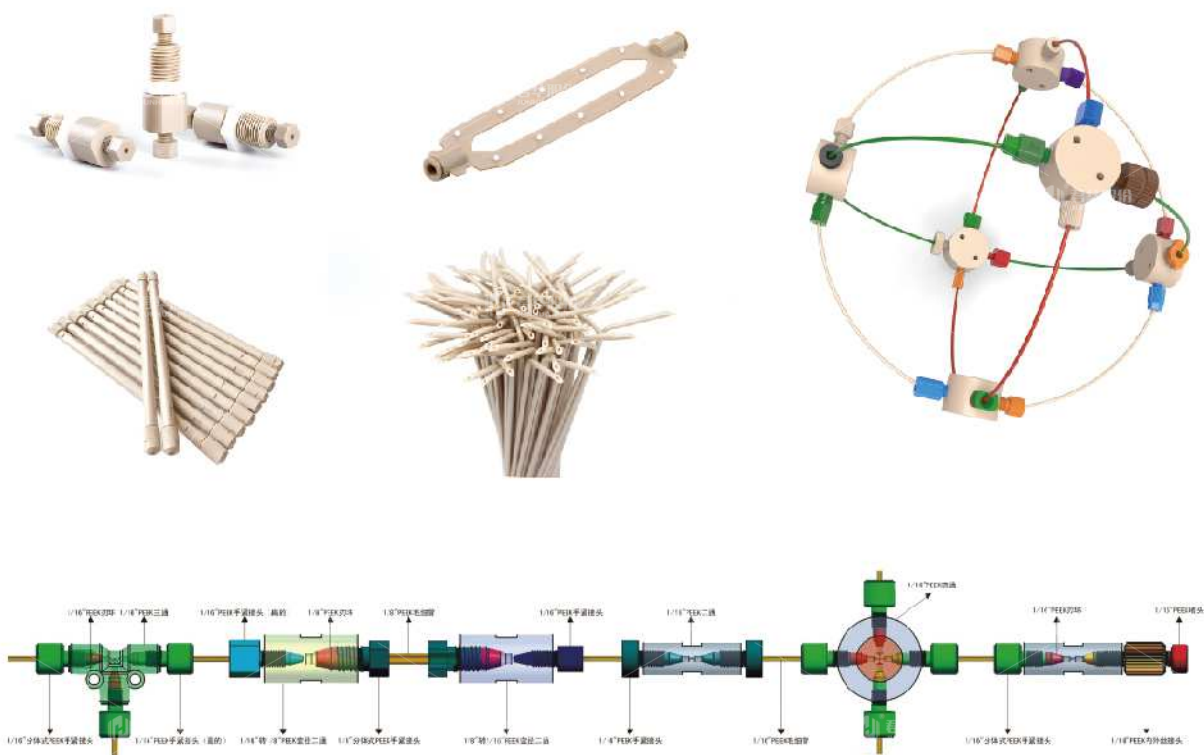


PEEK Bottle Mouth Guard

Analytical instrument

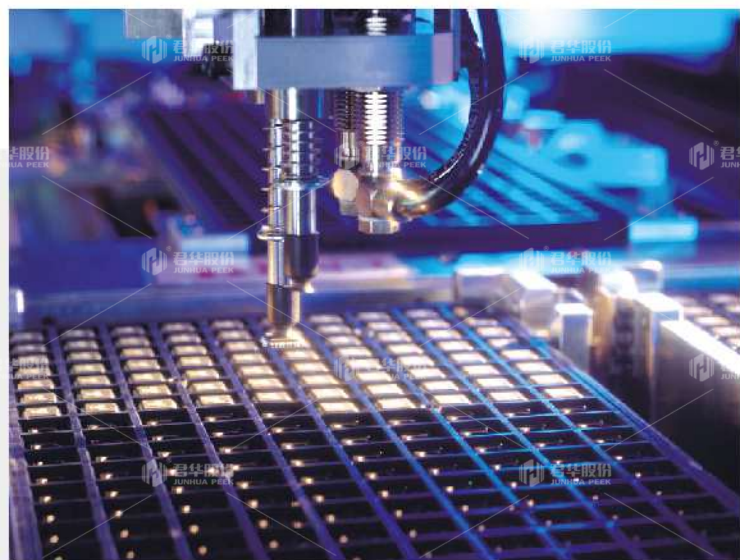
In the field of analytical instruments, we have successfully developed more than 200 kinds of high-performance PEEK parts, and produce typical analytical instruments such as PEEK hand tight fitting, PEEK Union, PEEK capillary, PEEK pump head, PEEK digestion tank, PEEK column. Standard parts are equipped with stocks, and non-standard parts can also be customized.

PEEK materials are high purity, low release, do not interfere with the separation and purification process, and have excellent chemical resistance and biocompatibility.



Semiconductor Industry

PEEK, PI has the characteristics of high temperature resistance, corrosion resistance, wear resistance, high purity and other advantages, which fully meet the harsh electronic semiconductor industry production environment to ensure its long-term use and improve equipment stability and reliability.



PEEK Sucker and PEEK Sucker Head



PI Partition



PEEK Wearing Roller



PEEK Screw



PEEK Wafer Clamp



PEEK Comb Parts



Oil&Gas, Petrochemical Machinery Industry

PEEK with chemical corrosion resistance, wear resistance, etc., can ensure the continuous and stable operation of equipment to avoid equipment shut down, securing devices to run safely.



PEEK Insulation Cable Frame



Drilling Pipe Protector



PEEK Ball Valve Seat



PEEK End Plug



PEEK Preventing Slider



PEEK Centralizer



PEEK (Cut) Sealing Ring

Textile Machinery Industry

PEEK has excellent high temperature resistance, wear resistance, self-lubrication performance, perfect replacement of metal parts such as copper slider sleeve on textile printing and dyeing machinery equipment, to solve the technical problems existing in the use of equipment, and has been widely recognized and praised by customers in this industry.



PEEK Amplitude Adjusting Nut



PEEK Hexagonal Shaft Sleeves



Monfuji PEEK Inner Sleeve



PEEK Guide Groove Bushings



PEEK Rapier Wheel



PEEK Amplitude Modulation Screw



ARTOS PEEK Slide Block



Wear-resistant Sleeve of
Oxygen Bleaching Machine



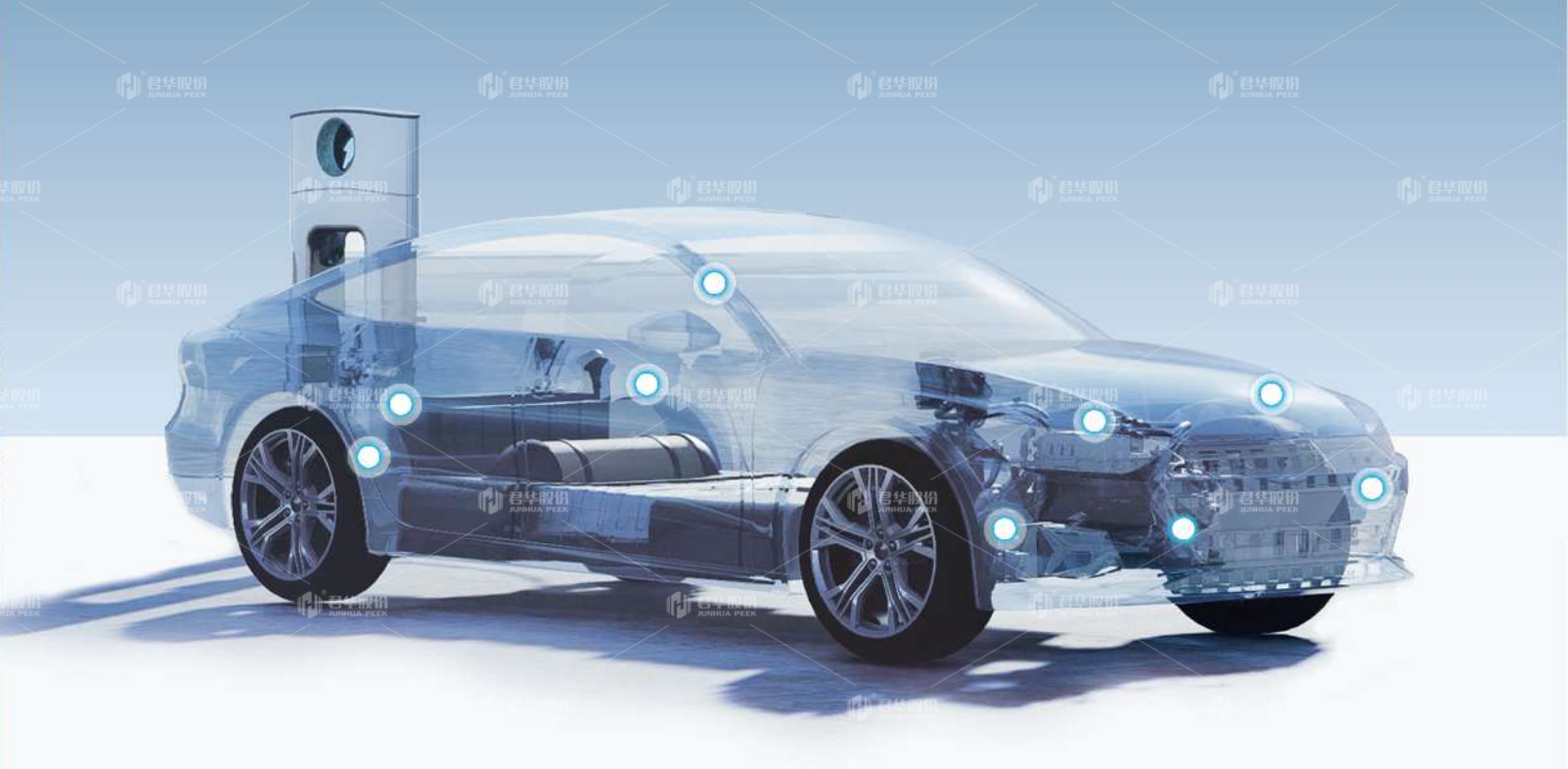
PEEK Covers



PEEK Lifting Wear Strips



PEEK Protective Covers



Automotive Industry

PEEK has a very promising future in automotive industry. In China, nearly 10 automotive vacuum pump manufacturers use Jiangsu Junhua's PEEK wear-resistant slide which is used in automotive brake booster and turbo system, it can reduce fuel consumption, reduce environmental impact, improve driving safety and driving comfort.



NEV PEEK hair- pin winding



PEEK slide, joint for automobile brake pump



PEEK bushing for automobile water pump



PEEK part for oil pump

PEEK Profile Inspection Equipment

Performance Testing Equipment

Ultrasonic Detector

It is mainly used to detect defects such as inclusions, looseness, cracks and pores inside the product.



FTIR Spectrometer

FTIR is mainly used for material identification. It has an automatic identification and matching function and can distinguish materials with different group structures such as PEEK, PPS, PPSU, and PI.



Thermal Gravimetric Analyzer

A thermogravimetric analyzer is an instrument that uses thermogravimetry to detect the temperature-mass change relationship of a substance.



Differential Scanning Calorimeter

Differential scanning calorimetry is a technique that measures the energy difference (or power difference) per unit time between a substance and a reference as a function of temperature under programmed temperature control.



Density Detector

Mainly used to detect the actual density of the product



Hardness Tester

mainly used to test Rockwell hardness of product



Universal Testing Machine

Mainly used to test the general mechanical properties such as tensile bending and modulus of the product. (can be tested at -100-200 °C)



Impact Tester

Mainly used for raw material inspection, inspection of impact strength



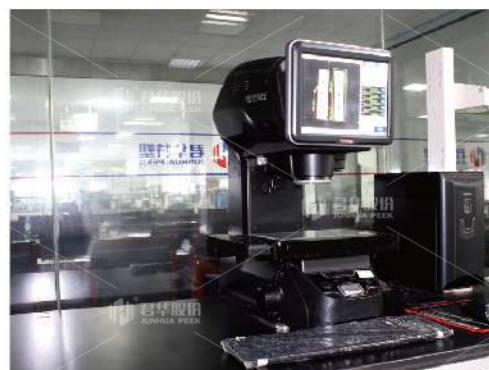
X-ray Foreign Matter Detection Equipment

Mainly used to detect whether the product is brought into the foreign material during the production process, such as metal cutting.

Dimensional Appearance Inspection Equipment

Image Measuring Instrument

It is mainly used to detect some products with high dimensional accuracy and geometrical tolerance accuracy. The detection accuracy can reach 0.001mm.



CMM

Mainly used to detect some products with high dimensional accuracy and geometric tolerance requirements. The detection accuracy can reach 0.0005mm and can provide an industry-recognized three-coordinate size inspection report.



Finish Instrument

It mainly controls some products with high requirements on appearance, and can specifically measure the surface finish value of processed products.

Cold Jet Dry Ice Deburring

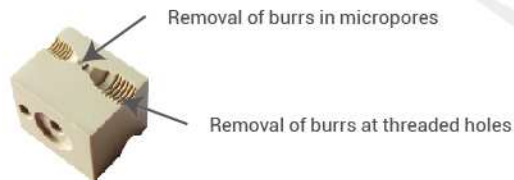
It Can effectively remove the burrs generated by machining, including small holes, cross-holes, etc., and no residue, no pollution. It can effectively prevent the reduction or blockage of pipeline flow caused by burrs .



New Deburring Technology of Dry Ice Blasting



Before deburring After deburring



Colorimeter

Used to compare the color difference of each batch raw materials, ensure color stability between each batch of profiles.



Universal Friction and Wear Testing Machine

Test the friction coefficient and wear amount of the material under certain load and speed.

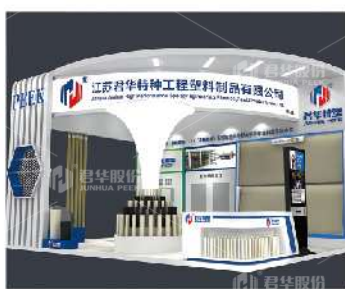
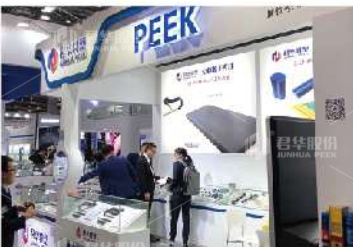
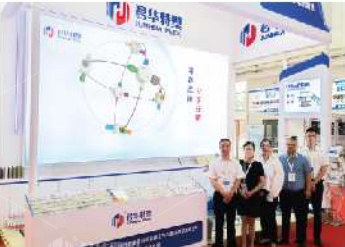
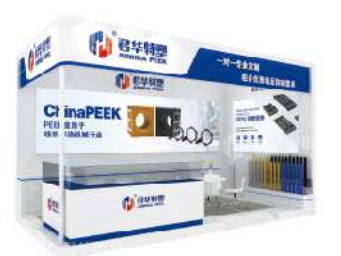
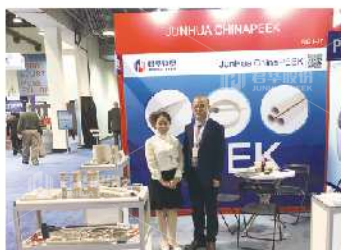


FD5000-P Pneumatic Fatigue Tester

Used to simulate and test the fatigue performance of materials or components under repeated pneumatic stress.

Global Vision

Leading the Industrialization Process of China's High Performance Special Engineering Plastic Profiles with Overall Innovation as the Best Partner for World Customers



PEEK Sales Network

China	France	United Kingdom	Egypt
US	Netherlands	Malaysia	Belgium
India	Pakistan	Spain	Qatar
Russia	Iran	Colombia	Saudi Arabia
Brazil	Argentina	Hungary	Uzbekistan
Mexico	United Arab Emirates	Turkey	Ireland
Singapore	Switzerland	Croatia	Bangladesh
Australia	Korea	Czech Republic	Ukraine
Germany	South Africa	Italy	Peru
Romania	Bulgaria	Finland	Denmark
Thailand	Chile	Jordan	Sweden
Canada	Vietnam	Sri Lanka	
Indonesia	Poland	Iraq	

Collaborative Customers



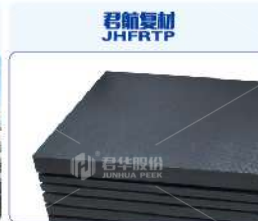
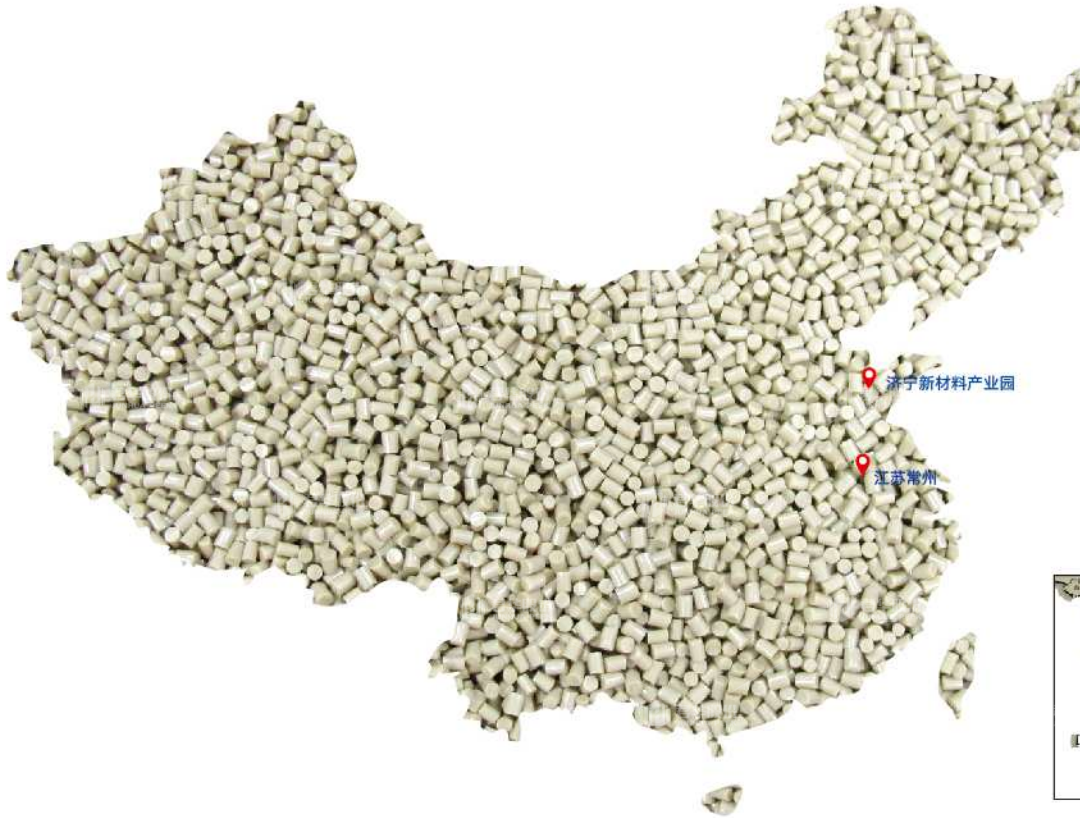


Customer Service Account



Official Wechat Account

 JunDe HPP GmbH



JiangSu JunHua HPP Co., Ltd.

Tel: 0519- 86228816 13915088386

Fax: 0519- 86228826 86228876

Web: www.chinaPEEK.com

E-mail: chinaPEEK@chinaPEEK.com

Address: Plant 11, Innovation Industrial Park, No.377 Wuyi South Road, Wujin High- tech Zone, Changzhou City, Jiangsu Province.

JunHua chinaPEEK

Tel: +86- 519- 86228823 86228851

+86- 519- 86228820 83121851

E- mail: chinaPEEK@chinaPEEK.com

Web: www.junhuaPEEK.com