



株洲宏大高分子材料有限公司

ZHUZHOU HONGDA POLYMER MATERIALS CO., LTD



为用户在高功能塑料领域提供最具价值的整体解决方案
The supplier of overall solutions in the field of high-performance plastics

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中国·湖南 ►► CHINA · HUNAN

COMPANY INTRODUCTION

公司简介 ▶▶▶

株洲宏大高分子材料有限公司，创建于1999年，为国家高新技术企业，于2005年通过了ISO9001国际质量体系认证，坐落于中南交通枢纽株洲市—国家级高新区新马工业园，占地50000平方米。公司下设高功能塑料、特种密封、复合材料三大事业部与宏大工业材料、湖南宏大环保科技两大子公司。

公司主要产品有：

- 1、氟塑料&工程塑料半成品及成品(PVDF、PTFE、PCTFE、PFA、FEP、PEEK、UHMW-PE、PA等)；
- 2、环保化工装备(湿法制酸EPC总包、脱硫设备、防腐管道及配件、反应釜、储罐&储槽等)；
- 3、水处理膜元配件(中心管、端盖、接头、隔网等)；
- 4、轨道交通产品(轻量化风道材料与地板、减振密封圈、管卡、出风口等)。

公司为中国塑料加工工业协会氟塑料加工专业委员会副理事长单位、中国塑料协会优秀企业、中石油入网供应商。目前，公司拥有30余项高功能塑料成型关键专利技术，参与了《聚全氟乙丙稀(FEP)膜》和《聚偏氟乙稀(PVDF)板》两部国家标准的制定，并多次获得国家科技部发改委的支持。

公司拥有一批德才兼备、经验丰富的中、高级技术人才，其中，享受国务院特殊津贴的专家1名，享受中国氟塑协会终身成就奖的专家2名，博士3名，高分子材料领域高级工程师15名，并与多所知名大学建立了长期合作关系。

公司在强化企业管理的基础上，不断提升产品质量和服务水平，以良好的信誉和质量赢得了客户和广阔的市场，产品畅销全国各地，并出口到亚欧美等多个国家和地区，在天然气&石油、化工化纤、半导体、水处理、光伏、电镀、航空航天、泵阀、轨道交通、钻具机械、电子电气等行业得到广泛应用。

公司始终以“为用户创造价值、为员工创造机会、为社会创造财富”为宗旨，致力于为用户在高功能塑料领域提供最具价值的整体解决方案为使命，以打造世界一流的高功能塑料供应商、成为全球同行业知名品牌为愿景。



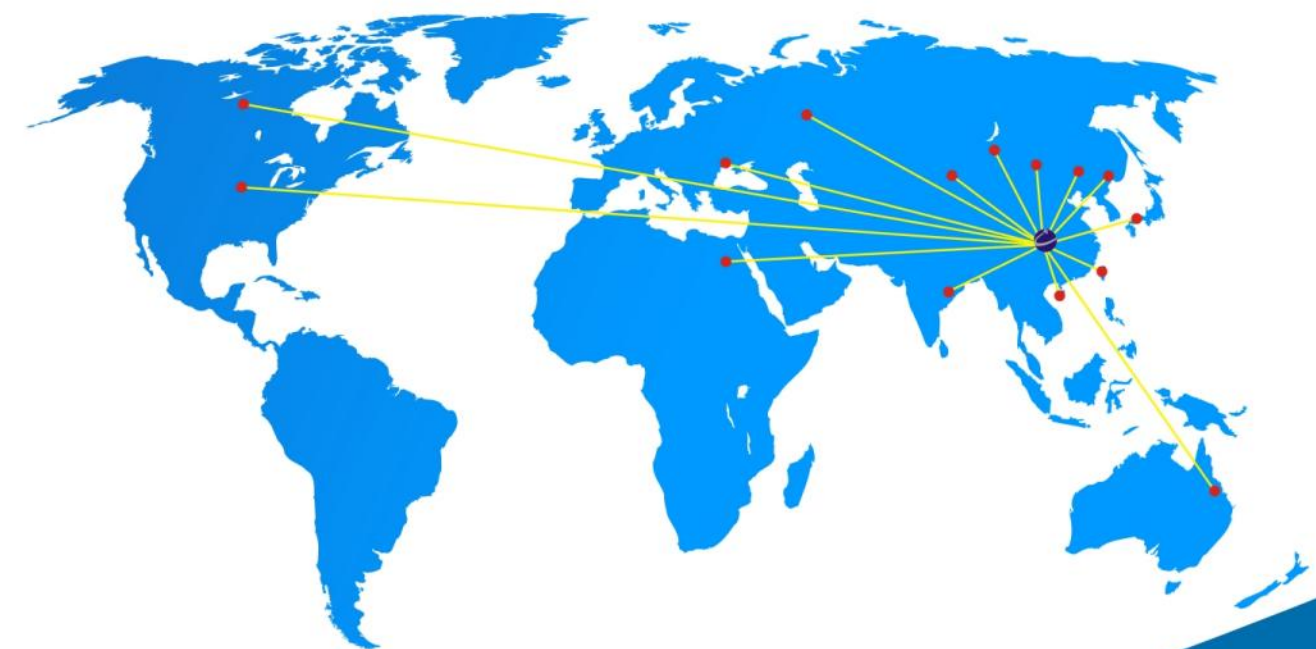
COMPANY INTRODUCTION

Founded in 1999, Zhuzhou Hongda Polymer Material Co., LTD. (ISO9001:2008 qualified enterprise), is a national high&new technology enterprise covering an area of 50000^m in the XINMA industrial park, which is located in Zhuzhou city - the transportation hub in Southern China.

Hongda is a professional manufacturer of high-performance plastics in the form of semi-finished products and finished parts. Main products: 1) Fluoroplastics and engineering plastics (PVDF, PTFE, PCTFE, PFA, FEP, PEEK, UHMW-PE, PA, ABS); 2) Plastic machined parts and injection parts; 3) Chemical equipment (EPC project of wet sulphuric acid production desulfurization equipment, PTFE/PFA lined steel piping, reactor, storage tank etc.); 4) Membrane element fittings for water treatment (core tubes, end caps, connectors, spacer net, etc.); 5) Rail transportation products (Lightweight panel, damper rings, clamps, air outlets, handle, etc.)

The products sell well throughout the country and exported to more than 20 countries & areas, which are widely used in chemical industry, semiconductor, gas&oil, PV, electroplating, aerospace, pump&valve, railway transportation, drilling tools, machinery, water treatment, electrical&electronics etc.

Hongda persists in the tenet of "creating value for customers, creating opportunities for staff and creating wealth for the society"; As a supplier of overall solutions in the field of high-performance plastics, hongda is working hard to build a superior supplier of high performance plastic products in the world and become a well-known brand in this industry.



ENTERPRISE HONOR

企业荣誉及资质



国家高新技术企业
National High-tech Enterprise



中国石油天然气物资供应商
Supplier of China National Petroleum Corp



中国塑料加工副理事长单位
Vice-Chairman Unit of the Fluoroplastics Processing Committee in China



中国制造网认证供应商
Audited Supplier of Made-in-China



打造世界一流的高功能塑料优秀供应商
成为全球同行业知名品牌

To establish a superior supplier of high performance plastic products in the world and become a worldwide well-known brand in this industry

MACHINERY EQUIPMENT

机械设备▶▶▶



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聚偏氟乙烯/PVDF

产品类别

Product Type

PVDF板（挤出板，模压板，背衬板），PVDF棒，PVDF管，PVDF焊条，PVDF阀门管件等
Extruded sheets, pressed sheets, glass fiber backed sheets, rods, pipe, welding rods, valve&pipe fittings etc.

产品性能及应用

Main Properties & Application

- 良好的刚度和冲击强度（High stiffness and impact strength）
- 优良的可焊性及加工性能（Excellent weld-ability and processing properties）
- 卓越的耐化学性（Outstanding chemical resistance）
- 耐高温（High temperature resistance）
- 良好的电气性能（Good electrical properties）
- 高纯度（High purity）

PVDF广泛应用于化工防腐衬里, 半导体, 工程管道, 电镀, 密封, 泵阀流体, 太阳能光伏, 水处理等领域
PVDF is widely used in chemical tank linings, semiconductor, pipe fittings, electric plating, sealing, Pump valve fluid, Photovoltaic (PV), water treatment etc.



技术参数

Technical Specification

性能 Property	标准 Norm	数值 Value
密度/Density(g/cm ³)	ISO1183	1.78
断裂拉伸强度/Tensile strength at break(Mpa)	ISO527	42~55
拉伸模量/Modulus of elasticity(Gpa)	ISO527	1.9~2.2
断裂延伸率/Elongation at break(%)	ISO527	20~50
邵D硬度/Shore D	Durometer	80
温度范围/Temperature range (°C)	/	-30~150
线膨胀系数/Coefficient of linear thermal expansion(10 ⁻⁴ /°C)	ISO11359	0.42



聚偏氟乙烯/PVDF

PVDF板

PVDF Sheet

单位/Unit:mm

	厚度/Thickness	1000 X 2000	1220 x 2440	1500 x 3000
		重量/张 / Weight/pc(kg)		
挤出板/织物背衬板 Extruded & Glass-fiber backed sheet	2.0	7.20	10.75	16.30
	3.0	10.80	16.10	24.25
	4.0	14.50	21.50	32.38
	5.0	18.00	27.00	40.46
挤出/模压 Extruded/Pressed	6.0	21.75	33.00	48.70
	8.0	28.92	44.00	64.68
	10.0	36.30	55.00	80.75
	12.0	43.40	66.50	96.82
	15.0	54.50	82.80	121.00
	20.0	72.50	111.00	166.50
模压 Pressed	25.0	90.48	138.50	209.00
	30.0	107.95	166.50	
	35.0	126.40		
	40.0	144.30		
	50.0	181.26		

PVDF棒

PVDF Rod

单位/Unit:mm

直径/Dia.	规格&重量/Size&Weight		直径/Dia.	kg/m
	kg/m			
10	0.15	90	11.60	
12	0.22	100	14.20	
15	0.33	110	17.34	
20	0.58	115	18.66	
25	0.91	120	20.60	
30	1.32	125	22.35	
35	1.80	130	24.30	
40	2.32	140	27.95	
45	2.90	150	32.00	
50	3.62	160	36.15	
60	5.10	170	40.98	
70	6.98	180	45.92	
80	9.05	200	56.26	



备注：重量仅供参考，具体重量以实物为准
Note : Weight for reference only



聚偏氟乙烯/PVDF

PVDF管

PVDF Pipe

单位/Unit:mm

外径(OD)	PN1.0(Mpa)		PN1.6(Mpa)		PN2.0(Mpa)	
	壁厚(T)	重量(kg)	壁厚(T)	重量(kg)	壁厚(T)	重量(kg)
16			1.5	0.170	1.5	0.170
20			1.9	0.210	1.9	0.210
25			1.9	0.275	1.9	0.275
32			2.4	0.430	2.4	0.430
40			2.4	0.550	2.4	0.550
50			2.9	0.830	2.9	0.830
63	2.5	0.930	3	1.090	3.6	1.300
75	2.5	1.270	3.6	1.550	4.3	1.860
90	2.8	1.500	4.9	2.230	5.1	2.630
110	3.4	2.140	5.3	3.340	6.3	3.980
125	3.9	2.800				
140	4.3	3.710				
160	5.0	4.657				

PVDF焊条

PVDF Welding Rods

尺寸 Size(mm)	包装 Packing	参考长度 Reference length
Φ3	7Kg/roll	540m
Φ4	7Kg/roll	300m
Φ5	7Kg/roll	195m

PVDF阀门&管件

PVDF Valve & Pipe Fittings

除以上PVDF产品外, 我司也生产各类PVDF阀门及PVDF管件类产品, 如: 弯头, 三通, 法兰, 管帽, 接头等
Besides above PVDF products, we also produce various kinds of PVDF valve & pipe fittings products, such as elbow, tee, flange, pipe cap, connectors etc.



聚四氟乙烯/PTFE

产品类别

Product Type

PTFE板, PTFE棒, PTFE管(直管/波纹管), PTFE填料制品, 改性PTFE.

PTFE sheets, PTFE rods, PTFE tubes (straight tube & corrugated tube), PTFE with filler, Modified PTFE.

产品性能及应用

Main Properties & Application

- 耐腐蚀性能优异 (Excellent corrosion resistance)
- 良好的电绝缘性能 (Good electrical insulation performance)
- 耐高温 (High temperature resistance)
- 低摩擦系数 (Low coefficient of friction)
- 不粘性能优异 (Good non-sticky properties)

PTFE广泛应用于化工防腐, 机械密封, 工程管道, 电器绝缘, 泵阀流体, 航空 纺织, 陶瓷等行业

PTFE is widely used in chemical anti-corrosion, mechanical seal, engineering piping, electrical insulation, pump&valve fluid, aviation, textile, ceramic and other industries



技术参数

Technical Specification

性能 Property	标准 Norm	数值 Value
密度/Density(g/cm ³)	ISO1183	1.8~2.5
断裂拉伸强度/Tensile strength at break(Mpa)	ISO527	18~30
拉伸模量/Modulus of elasticity(Gpa)	ISO527	0.35~0.5
断裂延伸率/Elongation at break(%)	ISO527	150~350
邵D硬度/Shore D	Durometer	50~65
温度范围/Temperature range (°C)	/	-196~260
线膨胀系数/Coefficient of linear thermal expansion(10 ⁻⁴ /°C)	ISO11359	1.0



聚四氟乙烯/PTFE ▶▶▶

PTFE模压板

PTFE Moulded Sheet

单位/Unit:mm

长度 Length	宽度 Width	厚度 Thickness
1000	1000	3~80
1000	2000	6~60
1200	1200	3~80
1500	1500	4~80
1800	1800	4~20

备注：圆板尺寸请单独咨询

PTFE车削板

PTFE Skived Sheet

单位/Unit:mm

宽度 Width	厚度 Thickness	包装 Package
1000	0.1~6	包装成卷状或裁切成块状 Packed by rolls or cut to sheets as per requirements
1200	0.25~6	
1500	0.5~6	
2000	0.5~6	

备注：表面经活化处理的聚四氟乙烯粘接板材可与金属或非金属材料实现粘接

Note: One side sodium etched PTFE sheet also available

PTFE棒

PTFE Rod

单位/Unit:mm

直径 Diameter	长度 Length	类型 Type
3~200	1000~3000	挤出棒/extruded rod
10~350	≤300	模压棒/moulded rod
0.8/1.0/1.8/2	不固定/not fixed	实心线/Solid wire

PTFE模压套管

PTFE Moulded Tube

单位/Unit:mm

外径 OD	长度 Length	备注 Note
20~900	≤300	特殊尺寸可以定制 Special sizes can be customized



聚四氟乙烯/PTFE ▶▶▶

PTFE推压/挤出管

PTFE Extruded Tube

单位/Unit:mm

外径*内径 (OD*ID)	重量 (Kg/M)	外径*内径 (OD*ID)	重量 (Kg/M)
0.9*0.5	0.0010	9.0*6.0	0.082
1.2*0.8	0.0015	10.0*8.0	0.066
1.4*1.0	0.0017	10.0*7.0	0.093
2.0*1.6	0.003	12.0*10.0	0.080
2.8*2.2	0.006	13.0*11.0	0.087
3.0*1.0	0.015	14.0*12.0	0.095
3.0*2.0	0.009	15.0*13.0	0.102
3.5*2.5	0.011	16.0*14.0	0.109
4.0*3.0	0.013	17.0*15.0	0.117
4.5*3.5	0.015	18.0*16.0	0.124
5.0*3.0	0.030	19.0*16.0	0.191
5.0*4.0	0.017	20.0*17.0	0.202
6.0*3.0	0.050	21.0*18.0	0.213
6.0*4.0	0.037	22.0*19.0	0.224
6.0*5.0	0.020	25.0*22.2	0.257
7.0*5.0	0.044	32.0*29.0	0.335
7.0*6.0	0.024	40.0*36.0	0.554
7.8*7.0	0.022	50.0*46.0	0.700
8.0*6.0	0.051	...	
8.0*5.0	0.071	460.0*448.0	19.850
9.0*7.0	0.058	510.0*497.0	23.841

备注：特殊规格可定做,重量仅供参考

Note: Special sizes can be customized, weight for reference only

PTFE填料制品

PTFE with Filler

根据不同应用要求,可在PTFE产品里添加一定比例的填料,产品不但保持了纯PTFE固有的特性,而且使其硬度,耐磨耗,抗蠕变形,压缩强度,弯曲强度,导热系数和尺寸稳定等得到很大程度的提高,从而提升了PTFE产品的整体性能.常用填料有:玻璃纤维,石墨,碳纤维,二硫化钼,二氧化硅,铜粉,聚苯酯,聚醚醚酮等

Based on different application, it can be added some fillers for PTFE, which not only keeps the original properties, but also enhanced the rigidity, anti-abrasion, anti-deformation, thermal conductivity, etc., and thus improved the overall performance of PTFE. Commonly used fillers are: Glass fiber, graphite, carbon fiber, molybdenum disulfide, copper powder, Ekonol (polyphenyl ester), PEEK etc.

改性PTFE

Modified PTFE

改性PTFE通过对聚四氟乙烯分子结构进行调整,使之具备一些新的特性,比如:更耐冷流,对化学品和气体渗透性较低,可焊接等,同时也不会降低PTFE本身具有的独特性能,从而为新的应用提供了可能性,特别是在安全性和可靠性领域应用非常广泛.

Modified PTFE is modified in the molecule structure of PTFE and offers enhanced features, such as: better cold flow resistance, lower permeability to chemicals and gases, weldability etc., which offers possibilities for new applications, especially in the area of safety and reliability.





聚三氟氯乙烯/PCTFE ▶▶▶

产品类别 Product Type

PCTFE板, PCTFE棒, PCTFE套管, PCTFE密封圈等
PCTFE sheets, PCTFE Rods, PCTFE tubes, PCTFE sealing rings...etc.

产品性能及应用 Main Properties & Application

- 优异的耐低温性能 (Excellent low temperature resistant)
- 机械性能好 (Good mechanical property)
- 线膨胀系数低 (Low coefficient of linear expansion)
- 良好的尺寸稳定性 (Good dimensional stability)
- 良好的穿透功能 (Good penetration function)

PCTFE广泛用于低温高压条件下的密封件(天然气, 液氮, 液氧等), 半导体, 化工, 制药, 航天航空及其它相关密封领域.
PCTFE is widely used for seals in the condition of low temperature with high pressure (gas, liquid nitrogen, liquid oxygen etc.), semiconductor, chemical, pharmaceutical, aerospace and other relevant sealing area.



技术参数 Technical Specification

性能 Property	标准 Norm	数值 Value
密度/Density(g/cm ³)	ISO1183	2.1~2.18
断裂拉伸强度/Tensile strength at break(Mpa)	ISO527	38~48
拉伸模量/Modulus of elasticity(Gpa)	ISO527	1.45~1.6
断裂延伸率/Elongation at break(%)	ISO527	40~100
邵D硬度/Shore D	Durometer	85
温度范围/Temperature range (°C)	/	-200~120
线膨胀系数/Coefficient of linear thermal expansion(10 ⁻⁴ /°C)	ISO11359	0.6



聚三氟氯乙烯/PCTFE ▶▶▶

PCTFE棒 PCTFE Rod

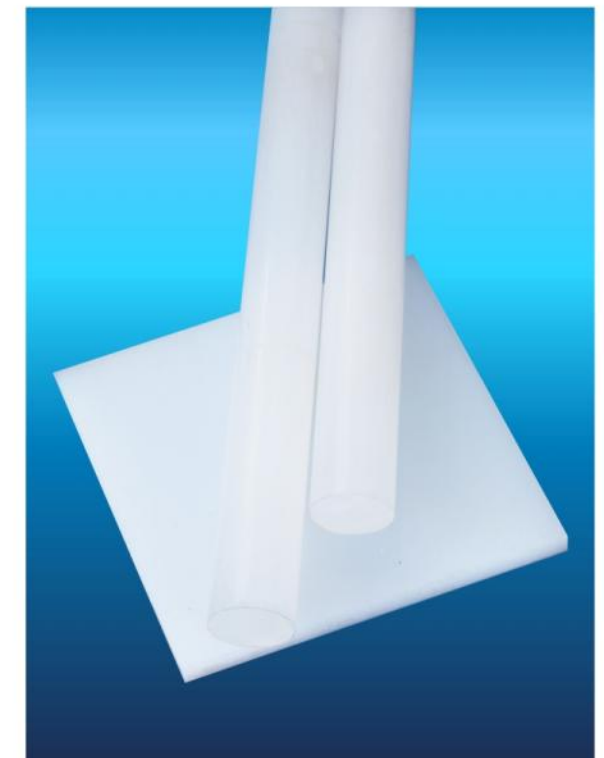
单位/Unit:mm		
直径 (Diameter)	长度(1) Length(1)	长度(2) Length(2)
3.0		1000
4.0		1000
5.0		1000
6.0	200	1000
7.0	200	1000
8.0	200	1000
10.0	200	1000
12.0	200	1000
13.0	200	1000
15.0	200	1000
16.0	200	1000
18.0	200	1000
20.0	200	1000
22.0	200	1000
25.0	200	1000
30.0	100-500	1000
35.0	100-500	1000
40.0	100-500	1000
45.0	100-500	1000
50.0	100-500	1000
55.0	100-400	
60.0	100-300	
63.0	100-150	
70.0	50-100	
78.0	50-100	
80.0	50-100	
85.0	50-100	
95.0	50-100	
100.0	50-100	
125.0	50-100	
136.0	50-100	

备注：特殊尺寸可以定制
Note：Special sizes can be customized

PCTFE板 PCTFE Sheet

单位/Unit:mm		
直径 (Diameter)	厚度 (Thickness)	类型 (Type)
150	3-20	圆板 (round sheet)
200	3-20	
250	3-25	
300	3-25	
325	3-15	
370	3-30	
400	5-20	

宽*长 (W*L)	厚度 (Thickness)	类型 (Type)
120*200	3-40	方板 (square sheet)
200*200	3-35	
250*250	3-30	
300*300	3-30	
400*400	6-30	
500*500	6-30	





聚三氟氯乙烯/PCTFE ▶▶▶

PCTFE模压套管 PCTFE Moulded Tube

单位/Unit:mm

外径*内径 (OD*ID)	长度 Length	外径*内径 (OD*ID)	长度 Length
34*16	150	132*99	150
38*16	150	137*98	150
43*18	150	170*130	150
45*21	150	170*146	150
50*21	150	178*155	150
50*25	150	180*106	150
50*28	150	180*160	150
50*32	150	185*155	150
55*35	150	205*188	100
60*42	150	230*204	100
63*38	150	235*158	100
75*50	150	237*204	100
78*50	150	248*210	100
85*65	150	275*244	100
100*75	150	291*240	100
105*76	150	325*300	100
110*90	150	365*335	100
117*76	150	420*398	100
117*83	150	650*605	100



备注：特殊尺寸可以定制
Note：Special sizes can be customized



四氟乙烯与全氟烷基乙烯基醚共聚物/PFA ▶▶▶

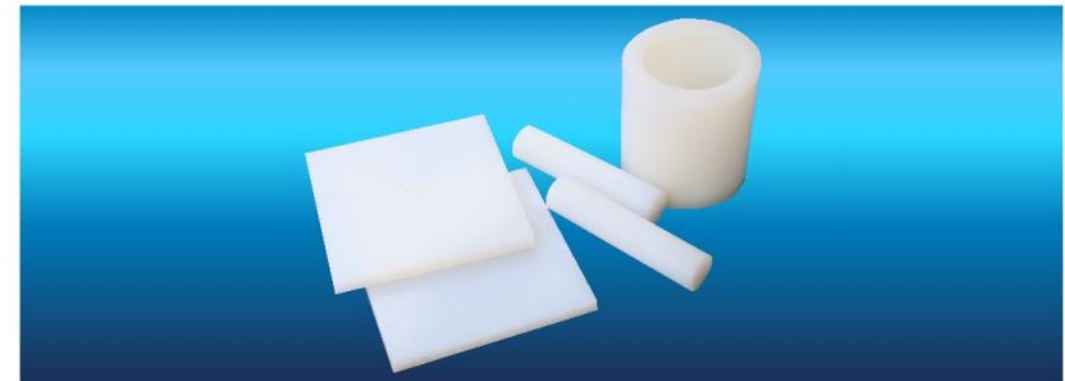
产品类别 Product Type

PFA板, PFA棒, PFA挤出管, PFA模压套管等
PFA sheets, PFA Rods, PFA extruded tube and moulded tube...etc.

产品性能及应用 Main Properties & Application

- 卓越的耐化学性 (Outstanding chemical resistance)
- 良好的电绝缘性能 (Good electrical insulation performance)
- 良好的耐高低温性能 (Good resistance to high & low temperature)
- 优良的可焊性及加工性能 (Excellent weld-ability and processing properties)
- 耐开裂性能好 (Good crack-resistant performance)
- 不粘性能优异 (Good non-sticky properties)

PFA广泛应用于化工防腐, 机械密封, 半导体, 电气绝缘, 泵阀流体, 航空等领域
PFA is widely used in chemical anti-corrosion, mechanical seal, semiconductor, electrical insulation, pump&valve fluid, aviation and other relevant industries.



技术参数 Technical Specification

性能 Property	标准 Norm	数值 Value
密度/Density(g/cm ³)	ISO1183	2.1~2.2
断裂拉伸强度/Tensile strength at break(Mpa)	ISO527	25~35
拉伸模量/Modulus of elasticity(Gpa)	ISO527	0.4~0.5
断裂延伸率/Elongation at break(%)	ISO527	200~380
邵D硬度/Shore D	Durometer	60
温度范围/Temperature range (°C)	/	-196~260
线膨胀系数/Coefficient of linear thermal expansion(10 ⁻⁴ /°C)	ISO11359	1.2



四氟乙烯与全氟烷基乙烯基醚共聚物/PFA ▶▶▶

PFA模压板 PFA Moulded Sheet

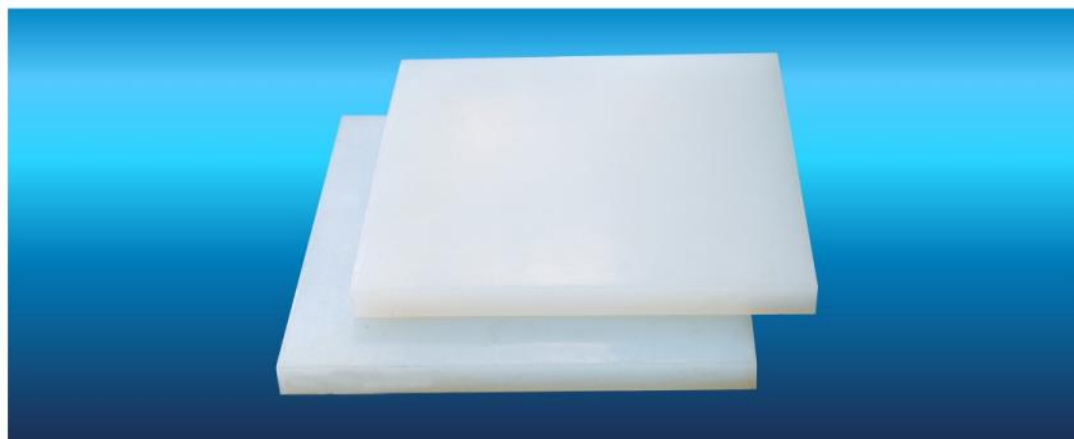
单位/Unit:mm	
尺寸(Size)	厚度(Thickness)
120*200	3~60
200*200	3~50
250*250	3~50
300*300	3~50
400*400	6~30
495*495	6~30
645*560	8~40

PFA挤出板 PFA Extruded Sheet

单位/Unit:mm	
宽 (Width)	厚度 (Thickness)
1000	1mm~4mm
1200	1mm~4mm

PFA模压棒 PFA Moulded Rod

单位/Unit:mm	
直径 (Diameter)	长度 (Length)
Φ6~Φ135	≤500mm



PFA模压套管 PFA Moulded Tube

单位/Unit:mm		
外径 (OD)	长度 (Length)	备注 (Note)
Φ30~Φ400	≤200	特殊尺寸可以定制 Special sizes can be customized



四氟乙烯与全氟烷基乙烯基醚共聚物/PFA ▶▶▶

PFA挤出管 PFA Extruded Tube

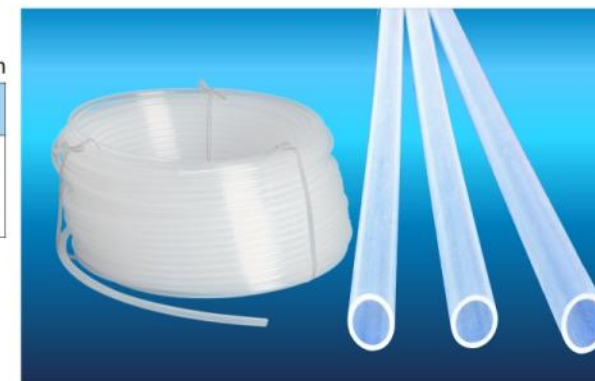
单位/Unit:mm			
外径*内径 (OD*ID)	重量 (Kg/M)	外径*内径 (OD*ID)	重量 (Kg/M)
2.0*1.0	0.005	10.0*7.0	0.088
3.0*1.0	0.014	11.0*9.0	0.069
3.0*2.0	0.009	12.0*10.0	0.076
3.5*2.5	0.010	13.0*10.0	0.120
4.0*3.0	0.012	14.0*12.0	0.090
4.0*2.0	0.021	16.0*14.0	0.104
4.5*3.5	0.014	17.0*15.0	0.111
5.0*3.0	0.028	18.0*16.0	0.118
5.0*4.0	0.016	19.0*17.0	0.125
6.0*4.0	0.035	20.0*16.0	0.250
8.0*5.0	0.068	21.0*19.0	0.139
8.0*6.0	0.049	22.0*20.0	0.146
8.0*7.0	0.026	24.0*20.0	0.305
9.0*6.0	0.078	26.0*23.0	0.255
9.0*7.0	0.056	...	...
10.0*8.0	0.062	90.0*84.0	1.805

PFA膜 PFA Film

单位/Unit:mm		
厚度 (Thickness)	宽度 (Width)	长度 (Length)
0.01~0.03	=300	长度大概100~200米左右, 可根据客户需要裁切 The length is around 100~200 meters, which can be cut as per customers' requiriements
0.04~0.25	=300	
0.25~0.35	=1000	
	=300	

PFA焊条 PFA Welding Rods

单位/Unit:mm	
焊条/带 Velding rod/Flat strip	规格/Size(mm)
	Φ2、Φ3、Φ4、Φ5 / 20*2





聚全氟乙丙烯/FEP ▶▶▶

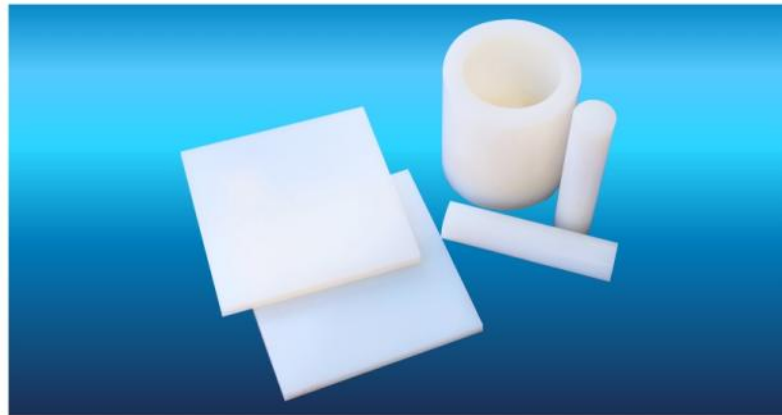
产品类别 Product Type

FEP板, FEP棒, FEP挤出管, FEP模压套管等
FEP sheets, FEP Rods, FEP extruded tube and moulded tube...etc.

产品性能及应用 Main Properties & Application

- 卓越的耐化学性 (Outstanding chemical resistance)
- 良好的电绝缘性能 (Good electrical insulation performance)
- 良好的耐高低温性能 (Good resistance to high & low temperature)
- 优良的可焊性及加工性能 (Excellent weld-ability and processing properties)
- 不粘性能优异 (Good non-sticky properties)

FEP广泛应用于化工防腐, 机械密封, 半导体, 电气绝缘, 泵阀流体, 航空等领域
FEP is widely used in chemical anti-corrosion, mechanical seal, semiconductor, electrical insulation, pump&valve fluid, aviation and other relevant industries.



技术参数 Technical Specification

性能 Property	标准 Norm	数值 Value
密度/Density(g/cm ³)	ISO1183	2.1~2.2
断裂拉伸强度/Tensile strength at break(Mpa)	ISO527	18~25
拉伸模量/Modulus of elasticity(Gpa)	ISO527	0.3~0.4
断裂延伸率/Elongation at break(%)	ISO527	150~300
邵D硬度/Shore D	Durometer	56
温度范围/Temperature range (°C)	/	-196~200
线膨胀系数/Coefficient of linear thermal expansion(10 ⁻⁴ /°C)	ISO11359	0.94



聚全氟乙丙烯/FEP ▶▶▶

FEP模压板 FEP Moulded Sheet

单位/Unit:mm	
尺寸(Size)	厚度(Thickness)
120*200	3~60
200*200	3~50
250*250	3~50
300*300	3~50
400*400	6~30
495*495	6~30
645*560	8~40

FEP挤出板 FEP Extruded Sheet

单位/Unit:mm	
宽 (Width)	厚度 (Thickness)
1000	1~4
1200	1~4

FEP模压棒 FEP Moulded Rod

单位/Unit:mm	
直径 (Diameter)	长度 (Length)
Φ6~Φ135	≤500



FEP模压套管 FEP Moulded Tube

单位/Unit:mm		
外径 (OD)	长度 (Length)	备注 (Note)
Φ30~Φ400	≤200	特殊尺寸可以定制 Special sizes can be customized





聚全氟乙丙烯/FEP

FEP挤出管

FEP Extruded Tube

单位/Unit:mm

外径*内径 (OD*ID)	重量 (Kg/M)	外径*内径 (OD*ID)	重量 (Kg/M)
2.0*1.0	0.005	10.0*7.0	0.088
3.0*1.0	0.014	11.0*9.0	0.069
3.0*2.0	0.009	12.0*10.0	0.076
3.5*2.5	0.010	13.0*10.0	0.120
4.0*3.0	0.012	14.0*12.0	0.090
4.0*2.0	0.021	16.0*14.0	0.104
4.5*3.5	0.014	17.0*15.0	0.111
5.0*3.0	0.028	18.0*16.0	0.118
5.0*4.0	0.016	19.0*17.0	0.125
6.0*4.0	0.035	20.0*16.0	0.250
8.0*5.0	0.068	21.0*19.0	0.139
8.0*6.0	0.049	22.0*20.0	0.146
8.0*7.0	0.026	24.0*20.0	0.305
9.0*6.0	0.078	26.0*23.0	0.255
9.0*7.0	0.056	...	...
10.0*8.0	0.062	90.0*84.0	1.805

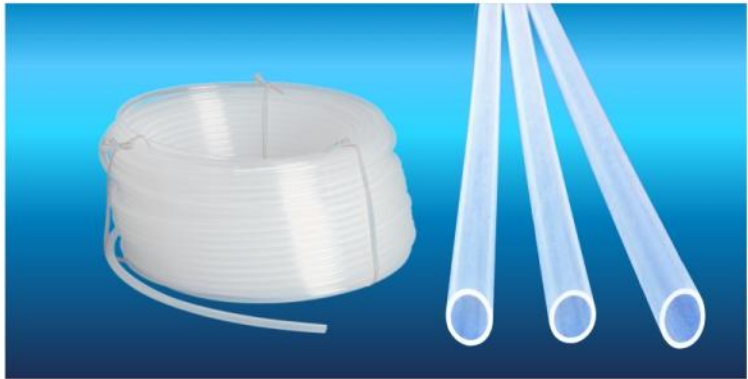
备注：特殊尺寸可以定制
Note：Special sizes can be customized

FEP膜

FEP Film

单位/Unit:mm

厚度 (Thickness)	宽度 (Width)	长度 (Length)
0.01~0.03	≤300	长度大概100~200米左右, 可根据客户要求裁切 The length is around 100~200 meters, which can be cut as per customers' requirements
0.04~0.25	≤300	
	≤1000	
0.25~0.35	≤300	



聚醚醚酮/PEEK

产品类别

Product Type

PEEK棒, PEEK板, PEEK管等
PEEK rods, PEEK sheets, PEEK tube etc.

产品性能及应用

Main Properties & Application

- 机械强度高 (High mechanical strength)
- 良好的热稳定性 (Good thermal stability)
- 优异的尺寸稳定性 (Excellent dimensional stability)
- 产品刚度、拉伸强度和冲击强度优良平衡 (Optimised balance of stiffness, tensile strength and impact strength)
- 良好的机械加工性 (Good machinability)
- 能在高温条件下连续使用 (Continuous working in high temperature)

PEEK广泛应于阀座, 轴套, 活塞环, 机械密封, 航天, 医疗, 半导体, 泵阀流体等领域
PEEK is widely used for valve seat, bearing shells, piston rings, mechanical seal, aviation, medical, semiconductor, pump&valve fluid, and other relevant industries.

技术参数

Technical Specification

性能 Property	标准 Norm	数值 Value
密度/Density(g/cm ³)	ISO1183	1.2~1.5
断裂拉伸强度/Tensile strength at break(Mpa)	ISO527	85~120
拉伸模量/Modulus of elasticity(Gpa)	ISO527	4~5
断裂延伸率/Elongation at break(%)	ISO527	10~30
邵D硬度/Shore D	Durometer	90
温度范围/Temperature range (°C)	/	-40~260
线膨胀系数/Coefficient of linear thermal expansion(10 ⁻⁴ /°C)	ISO11359	0.47

PEEK产品

PEEK Products

单位/Unit:mm

类型 (Type)	尺寸 (Size)	
PEEK棒/PEEK Rod	直径/Diameter: 5~200	长度/Length: 1000
PEEK板/PEEK Sheet	宽/Width: 610	厚度/Thickness: 5~50
	长/Length: 1000	





超高分子量聚乙烯/UHMW-PE ▶▶▶

产品类别 Product Type

UHMW-PE板, UHMW-PE棒, UHMW-PE管等
UHMW-PE sheets, UHMW-PE rods, UHMW-PE tube etc.

产品性能及应用 Main Properties & Application

- 优异的耐磨损性能 (Excellent abrasion resistance)
- 良好的自润滑性 (Good sliding properties)
- 高韧性 (high toughness)
- 低密度 (Low density)
- 低吸水性 (Low water absorption)

UPE广泛应于纺织、造纸、包装、运输、机械、化工、采矿、石油、农业、建筑、电气、食品、医疗、体育等领域得到广泛应用, 并开始进入常规兵器、船舶、汽车等领域。
UHMW-PE is widely used in textile, paper-making, transportation, machinery, mining, agriculture, construction, food, sports, electronics, ships, cars, etc.

技术参数 Technical Specification

性能 Property	标准 Norm	数值 Value
密度/Density(g/cm ³)	ISO1183	0.92~0.98
断裂拉伸强度/Tensile strength at break(Mpa)	ISO527	28~38
拉伸模量/Modulus of elasticity(Gpa)	ISO527	0.7~0.8
断裂延伸率/Elongation at break(%)	ISO527	250~400
邵D硬度/Shore D	Durometer	65
温度范围/Temperature range (°C)	/	-150~90
线膨胀系数/Coefficient of linear thermal expansion(10 ⁻⁴ /°C)	ISO11359	1.5

UHMW-PE产品 UHMW-PE Products

单位/Unit:mm

类型 (Type)	尺寸 (Size)	
UHMW-PE棒 (UHMW-PE Rod)	直径/Diameter: 10~200	长度/Length: 1000
UHMW-PE板 (UHMW-PE Sheet)	宽/Width: ≤2000	厚度/Thickness: 5~250
	长/Length: ≤4000	
UHMW-PE管 (UHMW-PE Tube)	直径/Diameter: 20~160	长度/Length: ≤6000



尼龙/PA ▶▶▶

产品类别 Product Type

PA (MC, PA6, PA66, PA1010), 板, 棒, 管, 加工件等
PA (MC, PA6, PA66, PA1010), Sheet, rod, tube, machined parts etc.

产品性能及应用 Main Properties & Application

- 高强度和刚度 (High strength and stiffness)
- 优异的耐磨损性能 (Excellent abrasion resistance)
- 良好的机加工性能 (Good machinability)
- 良好的自润滑性 (Good sliding properties)

PA广泛用于摩擦轴承、滑动和传动装置、管卡、离合器零件、齿轮、导轨以及其他机械零件等
PA is widely used for friction bearings, sliding & transmission parts, pipe clamp, clutch parts, gears, guide rails, and other mechanical parts etc.

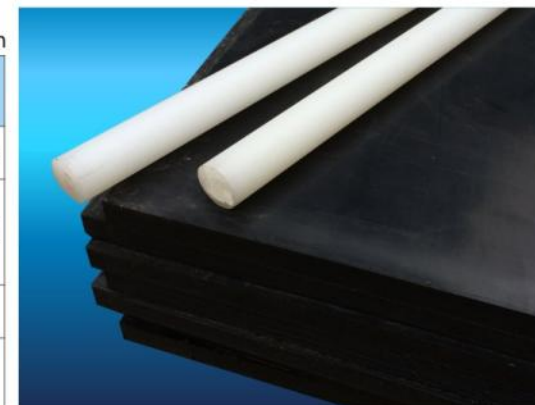
技术参数 Technical Specification

性能 Property	标准 Norm	数值 Value
密度/Density(g/cm ³)	ISO1183	1.1~1.5
断裂拉伸强度/Tensile strength at break(Mpa)	ISO527	60~85
拉伸模量/Modulus of elasticity(Gpa)	ISO527	3~5
断裂延伸率/Elongation at break(%)	ISO527	20~80
邵D硬度/Shore D	Durometer	80~85
温度范围/Temperature range (°C)	/	-40~100
线膨胀系数/Coefficient of linear thermal expansion(10 ⁻⁴ /°C)	ISO11359	1.1

PA产品 PA Products

单位/Unit:mm

类型 (Type)	尺寸 (Size)	
PA棒/PA Rod	直径/Diameter: 6~500	长度/Length: 500~1000
PA板/PA Sheet	宽/Width: 500~1000	厚度/Thickness: ≤100
	长/Length: 500~2000	
PA管/PA Tube	外径/OD: 40~500	长度/Length: ≤1000
PA挤出管 PA Extruded Tube	直径/Diameter: 3~24	长度: 任意长度 Length: Any Length





丙烯腈-丁二烯-苯乙烯/ABS ▶▶▶

产品性能及应用

Main Properties & Application

- 良好的机械强度和硬度 (Good mechanical strength and hardness)
- 高表面强度 (High surface strength)
- 高冲击强度 (High impact strength)
- 相对良好的尺寸稳定性 (Good dimensional stability)

ABS广泛应用于汽车，电子电器，水处理及工程管道领域。
ABS is widely used in automotive, electronic & electrical, water treatment and engineering pipeline.



技术参数

Technical Specification

性能 Property	标准 Norm	数值 Value
密度/Density(g/cm³)	ISO1183	1.0~1.1
断裂拉伸强度/Tensile strength at break(Mpa)	ISO527	42~48
拉伸模量/Modulus of elasticity(Gpa)	ISO527	2.1~2.4
断裂延伸率/Elongation at break(%)	ISO527	15~40
邵D硬度/Shore D	Durometer	80
温度范围/Temperature range (°C)	/	-30~90

ABS管

ABS Tube

单位/Unit:mm

常规尺寸 Common size												定制 Customized		
外径 (OD)	20	25	32	40	50	63	75	90	110	140	160	38.7	19.5	17
壁厚 (T)	1.8	2.0	2.5	3.2	3.7	5.0	5.5	6.0	6.5	7.5	8.3	5.85	3.4	3.4

為用戶創造價值
為員工創造機會
為社會創造財富

—— 曾維楚