优巨新材
YOUJUXINCAI

江门市优巨新材料有限公司

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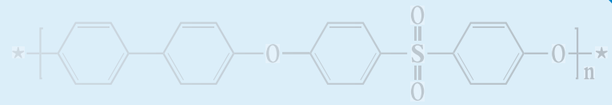
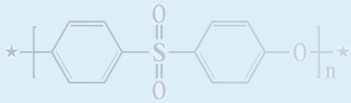
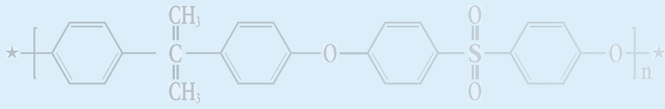
2017

Product Brochure

产品宣传册







优巨新材
YOUJUXINCAI

优巨新材
YOU JUXINCAI

企业文化
Company Culture

携手优巨　志存高远
Go With UJU And Aim For The Best.

愿景
Vision

力争成长为具有全球影响力的特种高分子材料研发型供应商！
Strives To Be The World's Famed R&d Guided Speciai Polymers Supplier

使命
Mission

为人类的生命健康提供安全、卫生、环境友好型的特种高分子材料！
Supplies Safe And Health And Green Special Polymers For Lives, Health And Sustainable Development Of Human Beigs!

核心竞争力
Competence

持续创新，快速响应。
Continuous Innovation And Quick Response.

可提供从产品开发、选材、测试及加工一体化、客制化的应用解决方案，提供全面优质的技术支持。
Committed To Providing Global Clients Integrated Special Engineering Plastic Solutions And Quality Technical Services To Create Conntinuous Competitiveness.

公司简介
Company Introduction

江门市优巨新材料有限公司创立于2012年，坐落于美丽的中国侨乡广东省江门市，是一家由国内上市公司投资的国家级高新技术企业，公司专注于特种工程塑料Paryls® 砜树脂系列产品聚苯砜(PPSU)、聚醚砜(PES)及聚砜 (PSU)等的研发、生产及销售。

优巨公司拥有以行业资深博士后领衔的博士及硕士研究生专业背景的研发团队，大专及以上专业生产技术人员占员工总数的70%以上。

优巨公司具有完全独立的知识产权，已申请国家发明专利70余项，拥有工艺先进的可年产6,000吨砜树脂系列产品的自动化先进生产线。

优巨公司砜树脂系列产品质量优异，并符合美国FDA、欧洲EU10/2011食品接触安全及REACH、RoHS环保安全法规，获得NSF14/61饮用水接触，UL94 V0、V1防火安全及ISO10993医疗器械产品安全法规等第三方权威认证许可等。

Youju New Materials Co., Ltd. founded in 2012, is Located in Jiangmen, a beautiful city in Guangdong and the "Hometown of Overseas Chinese" . Youju company, invested by a China listed company, is a state-level high-tech enterprise specialized in the R&D, production and sales of the special engineering plastics of the Paryls® polyphenylsulfone(PPSU), polyethersulfone(PES) and polysulfone(PSU) series products.

Youju company is led by a professional team of well-educated doctorates and post-doactorates in the R&D. Our production technical personnel, accounted for more than 70% of the total number of employees, are college degree or above.

Youju company has built advanced auto-production line with 6000mt/a capacity based on our fully independent intellectual property rights of over 70 invention patents.

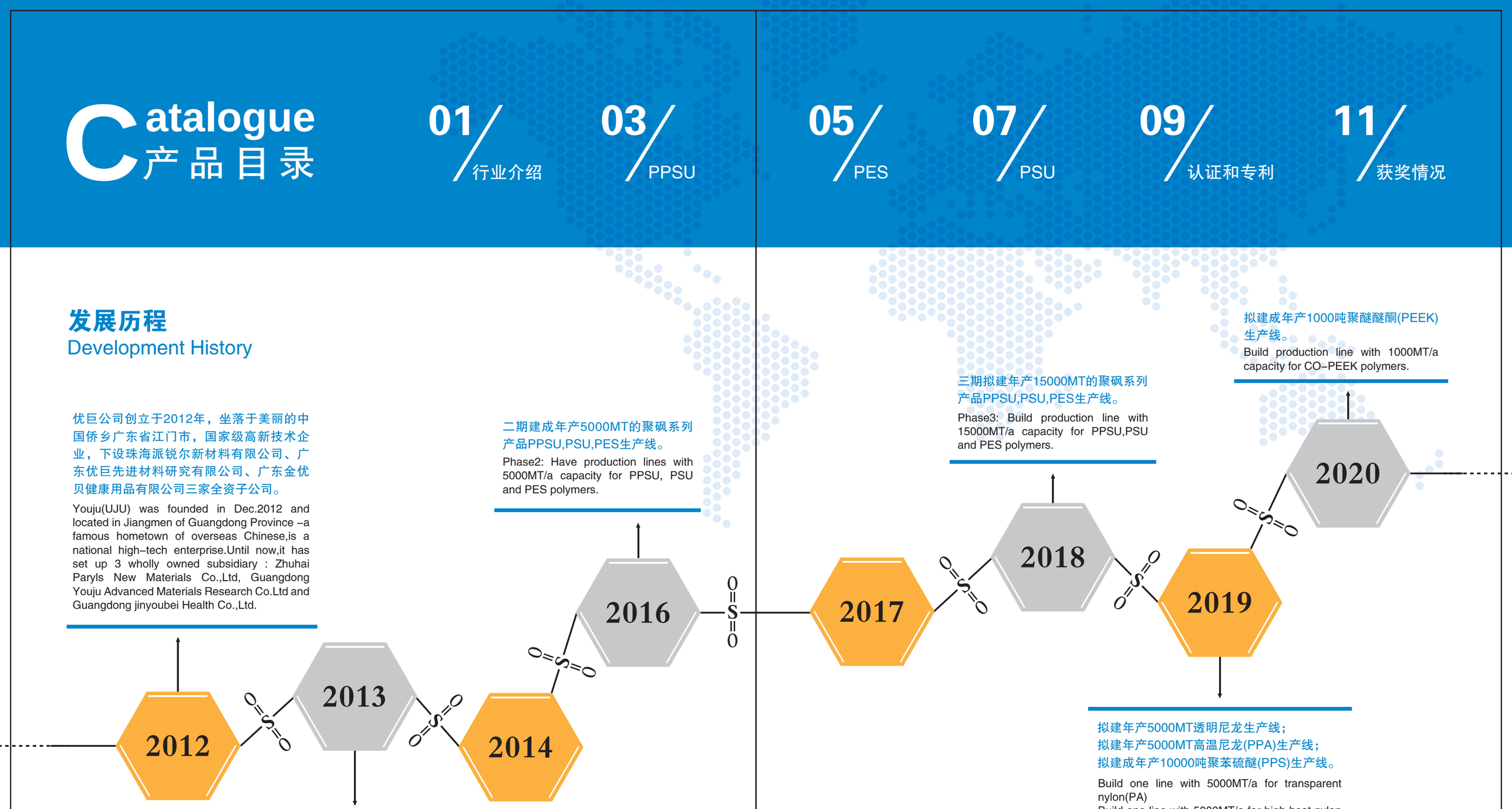
The quality of Youju sulfone series products is excellent. And most of the Youju sulfone resins have got approvals from UL94 V0 and V1, and NSF14/61 certificate authorities; and are also proven to be perfectly compliant with FDA, EN10/2011, ISO 10993, REACH and RoHS safety regulatory, and so on.

Catalogue 产品目录

发展历程
Development History

优巨公司创立于2012年，坐落于美丽的中国侨乡广东省江门市，国家级高新技术企业，下设珠海派锐尔新材料有限公司、广东优巨先进材料研究有限公司、广东金优贝健康用品有限公司三家全资子公司。

Youju(UJU) was founded in Dec.2012 and located in Jiangmen of Guangdong Province –a famous hometown of overseas Chinese,is a national high–tech enterprise.Until now,it has set up 3 wholly owned subsidiary : Zhuhai Paryls New Materials Co.,Ltd, Guangdong Youju Advanced Materials Research Co.Ltd and Guangdong jinyoubei Health Co.,Ltd.



一期建成年产1000MT的聚砜系列产品PPSU,PSU,PES生产线。

Phase1: Have a production line with 1000MT/a capacity for PPSU,PSU and PES polymers.

二期建成年产5000MT的聚砜系列产品PPSU,PSU,PES生产线。

Phase2: Have production lines with 5000MT/a capacity for PPSU, PSU and PES polymers.

三期拟建年产15000MT的聚砜系列产品PPSU,PSU,PES生产线。

Phase3: Build production line with 15000MT/a capacity for PPSU,PSU and PES polymers.

拟建成年产1000吨聚醚醚酮(PEEK)生产线。

Build production line with 1000MT/a capacity for CO–PEEK polymers.

拟建年产5000MT透明尼龙生产线；
拟建年产5000MT高温尼龙(PPA)生产线；
拟建成年产10000吨聚苯硫醚(PPS)生产线。

Build one line with 5000MT/a for transparent nylon(PA)
Build one line with 5000MT/a for high heat nylon (PPA)
Build production line with 10000MT/a capacity for PPS polymers.

聚砜系列简介
Products Family

聚砜是一种具有明显优势的耐高温塑料。与其它透明塑料相比，这些非结晶热塑性塑料具有更高的韧度、强度和水解稳定性。可以耐受长期置于水、化学品和-40℃ ~ 205℃这一很宽的工作温度环境。

Polysulfones is one kind of high temperature resistant plastics. Compared with the other transparent plastics, the non-crystalline thermoplastic of polysulfones have higher toughness, strength and hydrolytic stability, and can survive for a long time under water or chemicals. The solfone resins can be used in a broad range of temperatures from -40℃ to 205℃.

Parlys® PPSU

性能在我们所提供的砜聚合物中最好，抗冲击性和耐化学腐蚀性比聚砜(PSU)和聚醚酰亚胺（PEI）优异。

Delivers the highest performance of our sulfone polymers, offering better impact resistance and chemical resistance than polysulfone (PSU) and polyetherimide (PEI).

HDT:196℃(ISO 75)

具有优异的韧度、冲击强度、最出色的耐化学腐蚀性。

Superior toughness and impact strength, Best chemical resistance.

Parlys® Modified PPSU

采用特有配方的一组产品，填补了PPSU和聚砜（PSU）之间的成本-性能之间的差距

A family of proprietary formulations that fill the cost-performance gap between PPSU and polysulfone (PSU).

HDT:185℃(ISO 75)

抗冲击强度高于PSU，具有出色的长期耐水解稳定性。

Better impact strength than PSU, Excellent long-term hydrolytic stability.

Parlys® PES

兼具良好的耐化学腐蚀性和高达205℃ (ISO 75)的耐变形温度，非常适用于生产婴儿奶瓶和其它食品服务用品。该树脂自身具有阻燃性，可用于电子元件和测试仪器。

Combines good chemical resistance with a high heat deflection temperature of 205℃ (ISO 75), making it a good fit for food service applications. This resin is also inherently flame retardant for use in electronic components and testing devices

HDT:205℃(ISO 75)

耐化学腐蚀性好于PSU，具有固有的阻燃特性。

Better chemical resistance than PSU, Inherently flame retardant.

Parlys® PSU

高刚性、高强度、半韧型、透明塑料，与聚碳酸酯（PC）相比，可以耐受更高的温度、水解稳定性更高。置于蒸汽或其它消毒环境下可以很好地保留原有的机械性能。

Rigid, high-strength, semi-tough, transparent plastic that offers higher heat resistance and better hydrolytic stability than polycarbonate (PC). It retains its good mechanical properties when exposed to steam and other sterilization techniques.

HDT:175℃(ISO 75)

实际韧度良好、可以很好地耐化学腐蚀。

Good practical toughness, Good chemical resistance.

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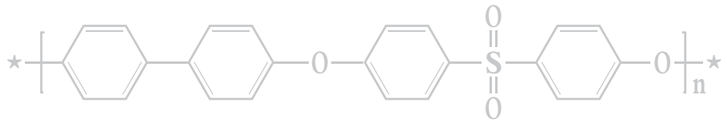
Paryls®



聚苯砜 PPSU

PPSU主要规格 Main specifications	加工方法 Molding Method	主要特性 Key Features	典型应用 Typical Application
F1150 (高粘度High viscosity)	挤出 Extrusion	无填充，HDT/A高达 196℃ (ISO 75) Natural with high HDT/A of 196℃	消毒盒和消毒盘 Sterilization cases and trays
		长期使用温度RTI值高达180℃ High RTI of 180℃	牙科、外科手术等医疗器械 Dental and surgical instruments
F1250 (中粘度Medium viscosity)	挤出、注塑 Extrusion & Injection	优异的韧性，抗冲击强度高达690J/m Superior toughness and impact resistance strength with 690J/m	飞机内饰 Aircraft interiors
		优异的长期热水解稳定性 Exceptional long-term hydrolytic stability	航空服务配餐车，餐盒 Airline catering trolleys
F1350 (低粘度High flowability)	注塑、吹塑 Injection & blowing	承受1000 次134℃高压蒸汽灭菌循环 Withstands over 1,000 cycles of steam sterilization@134℃ without any significant loss of properties	热水管道、管件产品 Hot water fittings and plumbings manifolds
			食品服务托盘，婴幼儿奶瓶 Food service trays and baby bottles
M1150 (PPSU / PSU合金) (PPSU / PSU blends)	注塑 Injection	固有的自阻燃性，透明，可着色 Inherently flame retardant, transparent and colorable	板、棒、管材 Sheet, rod and pipe

聚苯砜主要规格及物性
The main specifications and properties of PPSU

典型值 Typical Value	测试方法 Testing Method	单位 Unit	F1150	F1250	F1350	F1550	M1150
熔融指数 MFR @365℃/5kg	ISO 1133	g/10min	10–18	18–28	28–38	14–20	15–20
密度 Density	ISO 1183	g/cm³	1.29	1.29	1.29	1.29	1.28
饱和吸水率@23℃/50%相对湿度 Moisture Absorption, Equilibrium 23℃/50% r.h	ISO 62	%	0.6	0.6	0.6	0.6	0.3
模塑收缩率–水平 Mold shrinkage–Flow	ISO 2577, 294–4	%	0.9	0.9	0.9	0.9	0.9
热变形温度 HDT/A @1.8MPa Heat Deflection Temperature	ISO 75–1/–2	℃	196	196	196	196	185
拉伸强度 Tensile Strength	ISO 527–1/–2	MPa	70	70	70	70	75
拉伸模量 Tensile Modulus	ISO 527–1/–2	MPa	2270	2270	2270	2270	2690
屈服伸长率 Tensile Elongation(Yield)	ISO 527–1/–2	%	7.8	7.8	7.8	7.8	7.0
弯曲强度 Flexural Strength	ISO 178	MPa	105	105	105	105	105
弯曲模量 Flexural Modulus	ISO 178	MPa	2400	2400	2400	2400	2760
Izod缺口冲击强度 Notched Izod Impact	ISO 180/A	kJ/m²	68	68	68	68	10.0

典型应用 Typical Application


婴幼儿奶瓶

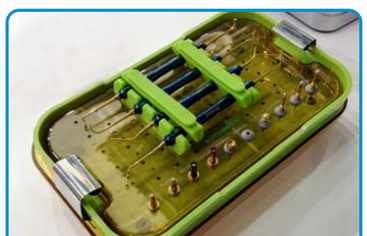

新型航空餐盒


原汁机研磨头


眼镜框


三通管件


实验动物笼


医疗消毒盘

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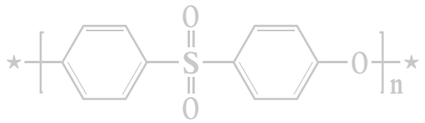


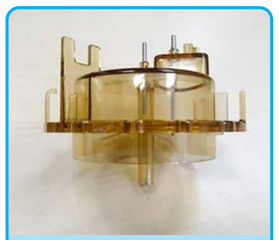
聚醚砜 PES

PES主要规格 Main specifications	加工方法 Molding Method	主要特性 Key Features	典型应用 Typical Application
F2050 (高粘度、膜级High viscosity, filtration membrane-class)	挤出 Extrusion	无填充，HDT达205℃ Natural with high HDT/A(ISO 75) of 205℃	汽车雾灯，前大灯 Auto fog lamp and reflector lighting
F2150 (中粘度Medium viscosity)	挤出、注塑 Extrusion & Injection	RTI值达180℃ High RTI of 180℃	电子电气元器件 Electrical and electronic components
F2250 (中粘度Medium viscosity)	注塑、吹塑 Injection & blowing	良好的耐化学性及机械性能 Good chemical resistance and mechanical property	炊具涂层、食品餐具、厨房电器 Coating, cookware and food services
F2350 (低粘度High flowability)	注塑、改性 Injection & modified	出色的电气性能 Excellent electrical properties	
F2550C (涂料级Coating-class)	涂层、流延 Coating & Casting		
E220G (20%GF reinforced)	注塑 Injection	优异的成膜性 Excellent filtration membrane features	水、食品饮料过滤膜 Water, food and beverage processing membranes
E230G (30%GF reinforced)	注塑 Injection	透明性，可着色 Transparent, colorable	板、棒、管材 Sheet, rod and pipe

聚醚砜主要规格及物性
The main specifications and properties of PES

典型值 Typical Value	测试方法 Testing Method	单位 Unit	F2050	F2150	F2250	F2350	F2550C Coating	E220G	E230G
熔融指数 MFR @380℃/2.16kg	ISO 1133	g/10min	5–15	15–25	25–35	35–45	>45	10–20	10–20
密度 Density	ISO 1183	g/cm³	1.37	1.37	1.37	1.37	1.37	1.5	1.5
饱和吸水率@23℃/50%相对湿度 Moisture Absorption, Equilibrium 23℃/50% r.h	ISO 62	%	0.8	0.8	0.8	0.8	0.8	0.6	0.6
模塑收缩率–水平 Mold shrinkage–Flow	ISO 2577, 294–4	%	0.82	0.82	0.82	0.82	–	0.36	0.36
热变形温度 HDT/A @1.8MPa Heat Deflection Temperature	ISO 75–1/–2	℃	205	205	205	205	–	220	220
拉伸强度 Tensile Strength	ISO 527–1/–2	MPa	88	88	88	88	–	125	125
拉伸模量 Tensile Modulus	ISO 527–1/–2	MPa	2700	2700	2700	2700	–	7300	7300
屈服伸长率 Tensile Elongation(Yield)	ISO 527–1/–2	%	6.5	6.5	6.5	6.5	–	2.5	2.5
弯曲强度 Flexural Strength	ISO 178	MPa	120	120	120	120	–	150	150
弯曲模量 Flexural Modulus	ISO 178	MPa	2650	2650	2650	2650	–	6800	6800
Izod缺口冲击强度 Notched Izod Impact	ISO 180/A	kJ/m²	6.5	6.5	6.5	6.5	–	6.5	6.5

典型应用 Typical Application


咖啡机虑煮器


爆米花机


挤出型材


不粘锅涂层


中空纤维膜


车灯反光杯


消防面罩

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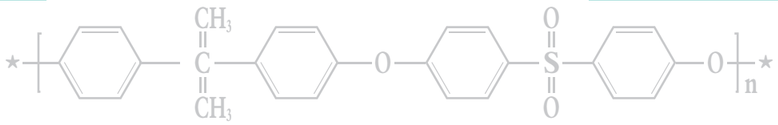


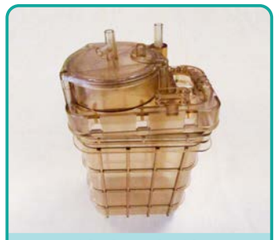
聚砜 PSU

PSU主要规格 Main specifications	加工方法 Molding Method	主要特性 Key Features	典型应用 Typical Application
F3050 (高粘度、膜级High viscosity, filtration membrane-class)	挤出 Extrusion	HDT为175℃ Natural with high HDT/A(ISO 75) of 175℃	水龙头部件 Faucet components
F3150 (中粘度Medium viscosity)	挤出、注塑、吹塑 Extrusion, Injection & Blowing	RTI值达160℃ High RTI of 160℃	热水管配件 Hot water fittings and plumbing manifolds
F3250 (低粘度High flowability)	注塑 Injection	出色的耐热水解稳定性 Exceptional long-term hydrolytic stability	医疗器械 Medical devices
S320G (20%GF reinforced)	注塑 Injection	优异的成膜性 Excellent filtration membrane features	膜：血液透析、水处理、生物加工、食品和饮料、气体分离 Membranes: Hemodialysis, Water treatment, Bioprocessing, Food and beverage, Gas separation
S330G (30%GF reinforced)	注塑 Injection	透明，可着色 Transparent, colorable	板、棒、管材 Sheet, rod and pipe

聚砜主要规格及物性 The main specifications and properties of PSU

典型值 Typical Value	测试方法 Testing Method	单位 Unit	F3050	F3150	F3250	S320G	S330G
熔融指数 MFR @380℃/2.16kg	ISO 1133	g/10min	3–6	6–10	10–20	5–10	5–10
密度 Density	ISO 1183	g/cm³	1.24	1.24	1.24	1.38	1.38
饱和吸水率@23℃/50%相对湿度 Moisture Absorption, Equilibrium 23℃/50% r.h	ISO 62	%	0.3	0.3	0.3	0.2	0.2
模塑收缩率–水平 Mold shrinkage–Flow	ISO 2577, 294–4	%	0.68	0.68	0.68	0.3	0.3
热变形温度 HDT/A @1.8MPa Heat Deflection Temperature	ISO 75–1/–2	℃	175	175	175	183	183
拉伸强度 Tensile Strength	ISO 527–1/–2	MPa	68	68	68	108	108
拉伸模量 Tensile Modulus	ISO 527–1/–2	MPa	2480	2480	2480	6800	6800
屈服伸长率 Tensile Elongation(Yield)	ISO 527–1/–2	%	5.7	5.7	5.7	2.2	2.2
弯曲强度 Flexural Strength	ISO 178	MPa	105	105	105	130	130
弯曲模量 Flexural Modulus	ISO 178	MPa	2600	2600	2600	6400	6400
Izod缺口冲击强度 Notched Izod Impact	ISO 180/A	kJ/m²	5.5	5.5	5.5	7.0	7.0

典型应用 Typical Application

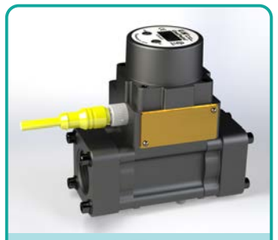

饮水机部件


撒盐罐


食品托盘


血透膜


实验动物笼


流量计


3mm片材


3mm片材

我们的专利 Our Patents

质量认证 Approvals

食品接触 Food Contact (FDA、EU10/2011)


PPSU


PSU


PES

医疗卫生 Medical Devices (ISO 10993)

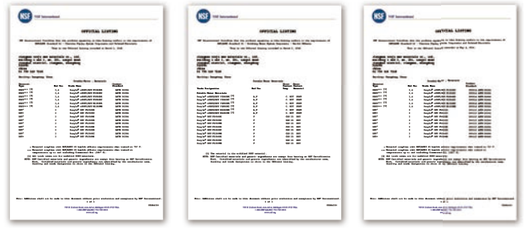

PPSU


PSU

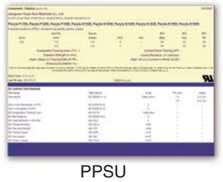
饮用水接触 National Sanitation Foundation (NSF14/61)


PPSU


PSU


(PPSU 、mPPSU 、PSU)

Underwriters Laboratories (UL 94)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获得荣誉
Awards

- 国家级高新技术企业
  State-level High-Tech Enterprise.
- 科技部科技型中小企业技术创新基金
  Inovation Funds of Ministry of science and technology.
- 广东省重大科技专项
  Major science and technology projects of guangdong province.
- 2015年广东省产学研
  Enterprise-college-research.
- 广东省高新技术产品
  High-Tech Products of Guangdong province.
- 第二届“中国创新创业大赛”优秀企业
  Outstanding Enterprise, the 2nd Chinese Innovation and Enterpreneurship Competition.
- 第二届广东省“珠江天使杯”创新创业大赛优胜企业
  Champion,the 2nd Guangdong “Pearl River Angel Cup” Innovation and Enterpreneurship Competition.
- 第二届江门市“科技杯”创新创业大赛冠军，获100万奖金
  Champion,the 2nd Jiangmen “Technology Cup” Innovation and Enterpreneurship Competition.
- 江门市科学技术一等奖
  First Level Technology A Ward of jiangmen city.
- 江门市科技创新三十强
  Top 30 of technology inovation of jiangmen city.
- 江门市诚信质量企业
  Credible Quality Enterprise Award of jiangmen city
- ISO9001-2008 质量管理体系认证
  ISO9001-2008 Quality System Certification

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