

聚砜 P150S

● 特点

- 本产品为琥珀色透明颗粒。
- 综合性能优良，具有卓越的水解稳定性和尺寸稳定性及良好的长期承受静水应力能力。
- 高韧性，高耐疲劳度，高透光率。
- 热变形温度为 $\geq 170^{\circ}\text{C}$ ，并可在相当宽广的温度范围内维持其特性。
- 优良的介电性能。

● 适用场合

- 适用于挤出、注塑、吹塑等工艺。
- 在食品加工设备中的应用：蒸汽平锅、咖啡滤器、制咖啡机具、挤奶机具和管子。
- 在管道应用中可代替金属，包括阀门组件和管道配件。它具有防腐蚀，耐静水压力等的优点。

● 包装、贮存及运输

- 本产品包装在清洁、干燥的包装袋内，净重 25Kg 或 1000Kg 包装。
- 贮存环境应通风、干燥、清洁，贮存时应远离热源。
- 聚砜为非危险品。运输时不可与有毒及腐蚀性或易燃物混装。避免阳光下暴晒或雨淋。

P150S Polysulfone resin

Features

- This product is amber transparent particles
- Excellent comprehensive performance, excellent hydrolytic stability and dimensional stability, and good long-term hydrostatic stress resistance
- High toughness, high fatigue resistance, high light transmittance
- Heat distortion temperature $\geq 170^{\circ}\text{C}$, and can maintain its characteristics in a wide temperature range
- Excellent dielectric properties

Applications

- Suitable for extrusion, injection molding, blow molding and other processes
- Applications in food processing equipment: steam pans, coffee filters, coffee machines, milking machines and pipes.
- It can replace metal in pipeline applications, including valve components and pipe fittings. It has the advantages of corrosion resistance and hydrostatic pressure resistance.

Packaging, storage and transportation

- This product is packaged in a clean, dry packaging bag with a net weight of 25Kg or 1000Kg.
- The storage environment should be ventilated, dry, and clean. Keep away from heat sources during storage.
- Polysulfone is non-hazardous. Do not mix with toxic, corrosive or flammable materials during transportation. Avoid exposure to sunlight or rain.



● 聚砜 P150S 指标

23℃下无色产品的典型值 Typical values for uncolored product at 23℃	典型值	单位	测试方法
物理性能 Physical			
密度 Density	1.24	g/cm ³	ISO 1183
吸水率 23℃/50%相对湿度Moisture Absorption, Equilibrium 23℃/50% r.h	0.3	%	ISO62
力学性能 Mechanical			
弯曲强度 Flexural Strength	105	Mpa	ISO 178
弯曲模量 Flexural Modulus	2620	Mpa	ISO 178
缺口冲击强度 Notched Izod Impact	5.5	kJ/m ²	ISO 180/A
拉伸强度 Tensile Strength	70	Mpa	ISO 527-2
拉伸模量 Tensile Modulus	2480	MPa	ISO 527-2
屈服时的伸长率 Tensile Elongation(Yield)	5.7	%	ISO 527-2
热学性能 Thermal			
玻璃化转变温度 Tg, DSC, 10℃/min	180	℃	ISO 11357-2
热变形温度 HDT/A @1.8MPa Heat Deflection Temperature	170	℃	ISO 75-2
线性膨胀系数@23℃, CLTE-Flow	52	E-6/K	ISO11359-2
电器性能 Electrical			
介电强度 K20/K20, (60*60*1 mm ³) Dielectric Strength	40	KV/mm	IEC 60243-1
介电损耗因子Dissipation factor @100HZ @1MHZ	3.1/3.1	-	IEC 60250
体积电阻率 100V Volume Resistivity	>1E13	Ω · m	IEC 60093
相对漏电起痕指数, CTI	125	-	IEC 60112
燃烧特性 Flammability			
厚度为 1.6 毫米时的燃烧性能 Flame Rating@1.6mm thickness	HB	Class	UL 94
厚度为 3.2 毫米时的燃烧性能 Flame Rating@3.2mm thickness	V-2	Class	UL 94
注塑 Injection			
熔融指数 Melt Mass-Flow Rate MVR @360℃/10kg	40	g/10min	ISO 1133
干燥时间 Drying Time	4	h	
干燥温度 Drying Temperature	140-160	℃	
加工温度 Processing Temperature	330-370	℃	
模具温度 Mold Temperature	130-160	℃	

注：以上数据为聚砜注塑后的典型物理性能，不应视为产品规格。

