



上海普利特化工新材料有限公司

Shanghai PRET Chemical New Materials Co., Ltd.

液晶高分子材料 KG300-130 产品性能  
LCP KG300-130 Product Properties

项目 Item	测试方法 Test Method	单位 Unit	KG300-130 标准级
<b>物理性能 Physical Properties</b>			
密度 Density	ASTM D792	g/cm <sup>3</sup>	1.60
<b>机械性能 Mechanical Properties</b>			
拉伸强度 Tensile Strength	ASTM D638	MPa	150
拉伸模量 Tensile Modulus	ASTM D638	MPa	17000
断裂伸长率 Elongation at Break	ASTM D638	%	2.0
弯曲强度 Flexural Strength	ASTM D790	MPa	210
弯曲模量 Flexural Modulus	ASTM D790	MPa	13500
缺口冲击强度 Notched Impact Strength	ASTM D256	J/m	120
<b>热性能 Thermal Properties</b>			
热变形温度 HDT, 1.82 MPa	ASTM D648	°C	270
燃烧特性 Flammability, 0.2 mm	UL-94		V-0
<b>电性能 Electrical Properties</b>			
介电常数 Dielectric Constant (10 GHz)	IEC60250		3.76
介电损耗因子 Dielectric Dissipation Factor (10 GHz)	IEC60250		0.0036
体积电阻率 Volume Resistivity	ASTM D257	Ω•cm	10 <sup>13-16</sup>
击穿电压 Dielectric Strength, 2 mm	ASTM D149	KV	≥40

地址：上海市金山第二工业区夏盛路 230 号；

邮编：201512

Address: No.230, Xia sheng Rd, Jinshan Second Industry Park

Postcode: 201512

网址/Website: www.pret.com.cn

电话/Tel: 021-67222266; 传真/Fax: 021-51685255, 69210400;

除非另有特别说明，产品手册中的所有数据均来源于室温条件（23°C，50%相对湿度）下对标准试样进行的测试。这些数据为实验典型值，真实可靠，仅能作为参考性数据，不能认定为材料性能的最小值。

These technical data in the product brochures are typical data under specific test conditions and not intended for use as limiting specifications.



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## 射出成型参数 Molding Condition

为避免起泡问题，成型前建议如下：

To avoid the blistering problem, the following molding parameters is recommended.

<b>材料干燥温度/时间</b> <b>Dry Temperature/Time</b>	<b>150 °C/4h 以上或 140 °C/6h 以上</b> <b>150 °C/above 4h or 140 °C/above 6h</b>	
<b>模温</b> <b>Mold Temperature</b>	<b>80 °C 或常温</b> <b>80 °C or Normal Temperature</b>	
<b>喷嘴温度</b> <b>Nozzle Temp.</b>	<b>340°C—350 °C</b>	
<b>料管温度</b> <b>Cylinder Temperature</b>	<b>前部温度</b> <b>Front Temp.</b>	<b>345 °C—355 °C</b>
	<b>中部温度</b> <b>Middle Temp.</b>	<b>325 °C—330 °C</b>
	<b>后部温度</b> <b>Rear Temp.</b>	<b>315 °C—325 °C</b>

## 包装 Package

每包 25KG 内衬铝箔防潮纸袋

25KG net paper bag lined with aluminum foil.

## 储存 Storage

避免潮湿及太阳直射环境下储存

To avoid the wet and direct sun-light storage environment.

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**Component - Plastics**

File Number: E467477

Shanghai Pret Chemical New Materials Co Ltd  
230 Xiasheng Rd Jinshan Industrial Zone II, Shanghai 201512 CN



**KG300-130**

Liquid Crystal Polymer (LCP), pellets

Flammability	Value	Test Method
Flame Rating		UL 94
0.200 mm, BK, NC	V-0	IEC 60695-11-10, -20
3.2 mm, BK, NC	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.200 mm	PLC 4	
3.2 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.200 mm	PLC 0	
3.2 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 4	UL 746
Thermal	Value	Test Method
RTI Elec		UL 746
0.200 mm	130 °C	
3.2 mm	130 °C	
RTI Imp		UL 746
0.200 mm	130 °C	
3.2 mm	130 °C	
RTI Str		UL 746
0.200 mm	130 °C	
3.2 mm	130 °C	

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