



**KG300-130**  
**LCP KG300-130 Product Properties**

<b>KG300-130</b>			
<b>Item</b>	<b>Test Method</b>	<b>Unit</b>	
<b>Physical Properties</b>			
Density	ASTM D792	g/cm <sup>3</sup>	1.60
<b>Mechanical Properties</b>			
Tensile Strength	ASTM D638	MPa	150
Tensile Modulus	ASTM D638	MPa	17000
Elongation at Break	ASTM D638	%	2.0
Flexural Strength	ASTM D790	MPa	210
Flexural Modulus	ASTM D790	MPa	13500
Notched Impact Strength	ASTM D256	J/m	120
<b>Thermal Properties</b>			
HDT, 1.82 MPa	ASTM D648	°C	270
Flammability, 0.2 mm	UL-94		V-0
<b>Electrical Properties</b>			
Dielectric Constant 10 GHz	IEC60250		3.76
Dielectric Dissipation Factor 10 GHz	IEC60250		0.0036
Volume Resistivity	ASTM D257	•cm	10 <sup>13-16</sup>
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；

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Postcode: 201512

网址/Website: www.pret.com.cn

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23°C 50%

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

## Molding Condition

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</b>	<b>140 °C/6h</b>
<b>模温</b> <b>Mold Temperature</b>	<b>80 °C</b> <b>80 °C or Normal Temperature</b>	
<b>料管温度</b> <b>Cylinder Temperature</b>	<b>喷嘴温度</b> <b>Nozzle Temp.</b>	<b>340 °C 350 °C</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>

## Package

25KG

25KG net paper bag lined with aluminum foil.

## Storage

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	

130 °C

3.2 mm

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