



**KG300-Q08**  
**LCP KG300-Q08 Product Properties**

Item	Test Method	Unit	仅	KG300-Q08
<b>Physical Properties</b>				
Density	ASTM D792	g/cm <sup>3</sup>		1.68
<b>Mechanical Properties</b>				
Tensile Strength	ASTM D638	MPa		135
Tensile Modulus	ASTM D638	MPa		15000
Elongation at Break	ASTM D638	%		1.8
Flexural Strength	ASTM D790	MPa		190
Flexural Modulus	ASTM D790	MPa		12000
Notched Impact Strength	ASTM D256	J/m		90
<b>Thermal Properties</b>				
HDT, 1.82 MPa	ASTM D648	°C		255
Flammability, 0.75 mm	UL-94			V-0
<b>Electrical Properties</b>				
介 Volume Resistivity	ASTM D257	cm		10 <sup>13-16</sup>
Dielectric Constant 1 GHz	IEC60250			3.76
Dielectric Dissipation Factor 1 GHz	IEC60250			0.030
Dielectric Constant 10 GHz	SPDR			3.94
Dielectric Dissipation Factor 10 GHz	SPDR			0.005
Dielectric Strength, 2mm	ASTM D149	KV		45

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;



## Molding Condition

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

材料干燥温度/时间	150 °C/4h	140 °C/6h
Dry Temperature/Time	150 °C/above 4h or	140 °C/above 6h
模温	80 °C	
Mold Temperature	80 °C or Normal Temperature	

料管温度  
Cylinder  
Temperature

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**Component - Plastics**  
File Number: E301296

SHANGHAI PRET COMPOSITES CO LTD  
558 XINYE RD, QINGPU INDUSTRIAL ZONE, SHANGHAI 201707 CN



### KG300(a)

Liquid Crystal Polymer (LCP), pellets

(a) - The natural color (NC) for Grade KG300 is between white and beige.

Flammability	Value	Test Method
UL 94		
Thermal	Value	Test Method
RTI Elec (0.75 to 0.83 mm)	130 °C	UL 746
RTI Imp (0.75 to 0.83 mm)	130 °C	UL 746
RTI Str (0.75 to 0.83 mm)	130 °C	UL 746

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