

# Shanghai PRET Chemical New Materials Co., Ltd.

# KG300-Q08 LCP KG300-Q08 Product Properties

		仅	KG300-Q08
Item	<b>Test Method</b>	Unit	
Physical Properties			
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
Thermal Properties			
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	1013~16
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 Adress: 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;

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.



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### **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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#### 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
	The desired the second second	III QA	(
	Thermal		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
775)	RT M 75 to 0.83 mm)	130°C	III.,746 —

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