

Teijin Panlite® LN-1250G Flame Resistant, Translucent Polycarbonate Resin

Polymer, Thermoplastic, Polycarbonate (PC), Polycarbonate, Unreinforced, Flame Retardant

Teijin

产品说明

Flame retardant and mold release grade with normal fluidity, which is suitable for injection molding applications. Applications: Electric, electronic and business machine components that need flame retardancy.

Information provided by Teijin Chemicals Ltd.

物理性能	额定值 (公制)	额定值 (英制)	测试方法
密度	1.22 g/cc	0.0441 lb/in ³	ISO 1183
吸水率	0.20 %	0.20 %	in water, 23°C, 24h; ISO 62
线性成型收缩率	0.0050 - 0.0070 cm/cm @ Thickness 4.00 mm	0.0050 - 0.0070 in/in @ Thickness 0.157 in	
线性成型收缩率, 横向	0.0050 - 0.0070 cm/cm @ Thickness 4.00 mm	0.0050 - 0.0070 in/in @ Thickness 0.157 in	
熔体流动速率	13.2 g/10 min @ Load 1.20 kg, Temperature 300 °C	13.2 g/10 min @ Load 2.65 lb, Temperature 572 °F	ISO 1133
机械性能	额定值 (公制)	额定值 (英制)	测试方法
抗张强度(屈服)	62.0 MPa	8990 psi	50mm/min; ISO 527
伸长率(断裂)	>= 50 %	>= 50 %	50mm/min; ISO 527
屈服伸长率	6.0 %	6.0 %	50mm/min; ISO 527
拉伸模量	2.40 GPa	348 ksi	1mm/min; ISO 527
弯曲强度	90.0 MPa	13100 psi	2mm/min; ISO 178
弯曲模量	2.20 GPa	319 ksi	2mm/min; ISO 178
简支梁无缺口冲击强度	NB	NB	ISO 179
简支梁缺口冲击强度	1.20 J/cm ²	5.71 ft-lb/in ²	ISO 179
电气性能	额定值 (公制)	额定值 (英制)	测试方法
体积电阻率	>= 1.00e+13 ohm-cm	>= 1.00e+13 ohm-cm	IEC 60093
表面电阻	>= 1.00e+15 ohm	>= 1.00e+15 ohm	IEC 60093
介电常数	3.0 @ Frequency 1e+6 Hz	3.0 @ Frequency 1e+6 Hz	IEC 60250
	3.1 @ Frequency 100 Hz	3.1 @ Frequency 100 Hz	IEC 60250
介电强度	30.0 kV/mm	762 kV/in	IEC 60243
耗散因数	0.0010 @ Frequency 100 Hz	0.0010 @ Frequency 100 Hz	IEC 60250
	0.0090 @ Frequency 1e+6 Hz	0.0090 @ Frequency 1e+6 Hz	IEC 60250
相比耐漏电起痕指数(CTI)	275 V	275 V	IEC 60112
热性能	额定值 (公制)	额定值 (英制)	测试方法
线性热膨胀系数	70.0 µm/m-°C @ Temperature 20.0 °C	38.9 µin/in-°F @ Temperature 68.0 °F	ISO 11359
线性热膨胀系数, 横向流动	70.0 µm/m-°C @ Temperature 20.0 °C	38.9 µin/in-°F @ Temperature 68.0 °F	ISO 11359
载荷下热变形温度(0.46 MPa)	141 °C	286 °F	ISO 75
载荷下热变形温度(1.8 MPa)	129 °C	264 °F	ISO 75
维卡软化温度	148 °C	298 °F	50°C/hr, 50N; ISO 306
UL RTI	125 °C @ Thickness 1.47 mm	257 °F @ Thickness 0.0579 in	UL 746B
UL RTI, 机械冲击	115 °C @ Thickness 1.47 mm	239 °F @ Thickness 0.0579 in	UL 746B
UL RTI, 机械无冲击	125 °C @ Thickness 1.47 mm	257 °F @ Thickness 0.0579 in	UL 746B
可燃性(UL94)	V-0 @ Thickness 1.00 mm	V-0 @ Thickness 0.0394 in	