



Component - Plastics

File Number: E50075

TEIJIN LIMITED RESIN AND PLASTIC

ENVIRONMENT QUALITY ASSURANCE DEPT, DIV 1, KASUMIGASEKI COMMON GATE, WEST TOWER, 2-1,
KASUMIGASEKI 3-CHOME, CHIYODA-KU TOKYO 100-8585 JP



Panlite: L-1225(###)(f2)

Polycarbonate (PC), pellets, powder

(###) - May be suffixed with one or two letters except LL, LM, LS, ZL, JM, ZE or LD, or for single letter U, V or Z or the letters U, V or Z followed by another letter.

(f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

Flammability	Value	Test Method
Flame Rating		
1.90 mm, ALL	HB	UL 94
3.00 mm, ALL	HB	UL 94
6.00 mm, ALL	HB	UL 94
0.400 mm, ALL	V-2	UL 94 IEC 60695-11-10, -20
0.750 mm, ALL	V-2	UL 94 IEC 60695-11-10, -20
1.50 mm, ALL	V-2	UL 94 IEC 60695-11-10, -20
3.00 mm, ALL	HB40	IEC 60695-11-10, -20
6.00 mm, ALL	HB40	IEC 60695-11-10, -20
1.90 mm, ALL	HB75	IEC 60695-11-10, -20
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.400 mm	PLC 4	
0.750 mm	PLC 3	
1.50 mm	PLC 3	
1.90 mm	PLC 3	
3.00 mm	PLC 2	
6.00 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.400 mm	PLC 3	
0.750 mm	PLC 1	
1.50 mm	PLC 1	
1.90 mm	PLC 1	
3.00 mm	PLC 1	
6.00 mm	PLC 1	
Comparative Tracking Index (CTI)	PLC 2	UL 746
Dielectric Strength	30 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746
Volume Resistivity	1.0E+16 ohm·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 5	ASTM D495

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Thermal	Value	Test Method
RTI Elec		UL 746
0.400 mm	80.0 °C	
0.750 mm	80.0 °C	
1.50 mm	125 °C	
1.90 mm	125 °C	
3.00 mm	125 °C	
6.00 mm	125 °C	
RTI Imp		UL 746
0.400 mm	80.0 °C	
0.750 mm	80.0 °C	
1.50 mm	115 °C	
1.90 mm	115 °C	
3.00 mm	115 °C	
6.00 mm	115 °C	
RTI Str		UL 746
0.400 mm	80.0 °C	
0.750 mm	80.0 °C	
1.50 mm	125 °C	
1.90 mm	125 °C	
3.00 mm	125 °C	
6.00 mm	125 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796
Outdoor Suitability	f2	UL 746C

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