



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 Japan



Panlite: L-1250U(#)(f1), L-1250V(#)(f1), L-1250Z(#)(f1)

Polycarbonate (PC), pellets, powder

(#) - Suffix optional

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

Flammability	Value	Test Method
Flame Rating		UL 94
1.5 mm, ALL	HB	
3.0 mm, ALL	HB	
6.0 mm, ALL	HB	
0.40 mm, ALL	V-2	
0.75 mm, ALL	V-2	
0.8 mm, ALL	V-2	
Flammability Classification		IEC 60695-11-10, -20
3.0 mm, ALL	HB40	
6.0 mm, ALL	HB40	
1.5 mm, ALL	HB75	
0.40 mm, ALL	V-2	
0.75 mm, ALL	V-2	
0.8 mm, ALL	V-2	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.40 mm	PLC 4	
0.75 mm	PLC 4	
0.8 mm	PLC 4	
1.5 mm	PLC 4	
3.0 mm	PLC 1	
6.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746A
0.40 mm	PLC 3	
0.75 mm	PLC 3	
0.8 mm	PLC 3	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746A
Dielectric Strength	24 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746A
Volume Resistivity	1.0E+16 ohms·cm	ASTM D257
Volume Resistivity	1.0E+16 ohms·cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495

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Thermal	Value	Test Method
RTI Elec		UL 746B
0.40 mm	80.0 °C	
0.75 mm	125 °C	
0.8 mm	125 °C	
1.5 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
RTI Imp		UL 746B
0.40 mm	80.0 °C	
0.75 mm	115 °C	
0.8 mm	115 °C	
1.5 mm	115 °C	
3.0 mm	115 °C	
6.0 mm	115 °C	
RTI Str		UL 746B
0.40 mm	80.0 °C	
0.75 mm	125 °C	
0.8 mm	125 °C	
1.5 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
Physical	Value	Test Method
Dimensional Change	0.0 %	ASTM D1042
Dimensional Change	0.0 %	ISO 2796
Outdoor Suitability	f1	UL 746C

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