



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: LV-2225U(#)(f1), LV-2225V(#)(f1), LV-2225Z(p1)(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.

(p1) - Suffix Optional except the letter S

Flammability	Value	Test Method
Flame Rating		UL 94
0.40 mm, ALL	V-2	
0.75 mm, ALL	V-2	
1.5 mm, ALL	V-2	
3.0 mm, ALL	V-2	
6.0 mm, ALL	V-2	
Flammability Classification		IEC 60695-11-10, -20
0.40 mm, ALL	V-2	
0.75 mm, ALL	V-2	
1.5 mm, ALL	V-2	
3.0 mm, ALL	V-2	
6.0 mm, ALL	V-2	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.40 mm	PLC 4	
0.75 mm	PLC 3	
1.5 mm	PLC 3	
3.0 mm	PLC 2	
6.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.40 mm	PLC 3	
0.75 mm	PLC 0	
1.5 mm	PLC 1	
3.0 mm	PLC 1	
6.0 mm	PLC 1	
Comparative Tracking Index (CTI)	PLC 2	UL 746
Dielectric Strength	30 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746
Volume Resistivity	1.0E+16 ohms-cm	ASTM D257
Volume Resistivity	1.0E+16 ohms-cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495
Electric Strength	30 kV/mm	IEC 60243-1



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

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