



LV-2250(##)(f2)

File Number: E195100

Yellow Card® 

COMPANY

TEIJIN POLYCARBONATE SINGAPORE PTE LTD
#01-01
111 Sakra Ave
Singapore, 627881 Singapore

MODEL INFO

Panlite: LV-2250(##)(f2)
Polycarbonate (PC), furnished as pellets, powder
(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.
(##) – May be suffixed with one or two letters except for a single letter U, V or Z or the letters U, V or Z followed by another letter.

FLAMMABILITY PROPERTIES	额定值	测试方法
Flammability		ANSI/UL 94
0.40 mm, Color: ALL	V-2	
0.75 mm, Color: ALL	V-2	
1.5 mm, Color: ALL	V-2	
3.0 mm, Color: ALL	V-2	
6.0 mm, Color: ALL	V-0	

ISO/IEC FLAMMABILITY PROPERTIES	额定值	测试方法
Flammability		IEC 60695-11-10
0.40 mm, Color: ALL	V-2	
0.75 mm, Color: ALL	V-2	
1.5 mm, Color: ALL	V-2	
3.0 mm, Color: ALL	V-2	

6.0 mm, Color: ALL	V-0	
ELECTRICAL PROPERTIES	额定值	测试方法
Hot-wire Ignition (HWI)		UL 746A
0.40 mm	PLC 4	
0.75 mm	PLC 4	
1.5 mm	PLC 4	
3.0 mm	PLC 2	
6.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746A
0.40 mm	PLC 3	
0.75 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	
Volume Resistivity	1.0E+16 ohms·cm	ASTM D257/IEC 60093
High Voltage, Low Current Arc Resistance	PLC 5	
THERMAL PROPERTIES	额定值	测试方法
Relative Thermal Index - Electrical Strength		UL 746B
0.40 mm	80 °C	
0.75 mm	80 °C	
1.5 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
0.40 mm	80 °C	

0.75 mm	80 °C
1.5 mm	115 °C
3.0 mm	115 °C
6.0 mm	115 °C

Relative Thermal Index - Mechanical Strength		UL 746B
0.40 mm	80 °C	
0.75 mm	80 °C	
1.5 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	

PHYSICAL PROPERTIES	额定值	测试方法
Dimensional Change	0.0 %	ASTM D1042/ISO 2796
UV Exposure & Water Immersion	f2	UL 746C

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