



LEV2200KL(f1)

File Number: E48268

Yellow Card® 

COMPANY

IDEMITSU KOSAN CO LTD
Advanced Materials & Performance
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MODEL INFO

LEV2200KL(f1)
Polycarbonate (PC), furnished as pellets, powder, sheets, finished parts
(f1) – Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
0.36 mm, Color: NC	V-2	
1.5 mm, Color: NC	V-2	
1.8 mm, Color: NC	V-2	
1.9 mm, Color: NC	HB	
3.0 mm, Color: NC	HB	
6.0 mm, Color: NC	HB	

ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
0.36 mm, Color: NC	V-2	
1.5 mm, Color: NC	V-2	
1.8 mm, Color: NC	V-2	
1.9 mm, Color: NC	HB75	

3.0 mm, Color: NC	HB40	
6.0 mm, Color: NC	HB40	
ELECTRICAL PROPERTIES	VALUE	TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
1.5 mm	PLC 3	
1.8 mm	PLC 3	
1.9 mm	PLC 3	
3.0 mm	PLC 2	
6.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746A
1.5 mm	PLC 0	
1.8 mm	PLC 0	
1.9 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746A
Dielectric Strength	30 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 2	
High Voltage, Low Current Arc Resistance	PLC 6	
THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
0.36 mm	130 °C	
1.5 mm	130 °C	
1.8 mm	130 °C	
1.9 mm	130 °C	
3.0 mm	130 °C	
6.0 mm	130 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
0.36 mm	125 °C	

1.5 mm	125 °C
1.8 mm	125 °C
1.9 mm	125 °C
3.0 mm	125 °C
6.0 mm	125 °C
Relative Thermal Index - Mechanical Strength	
UL 746B	
0.36 mm	130 °C
1.5 mm	130 °C
1.8 mm	130 °C
1.9 mm	130 °C
3.0 mm	130 °C
6.0 mm	130 °C

PHYSICAL PROPERTIES	VALUE	TEST METHOD
Dimensional Change	0.0 %	ASTM D1042/ISO 2796
UV Exposure & Water Immersion	f1	UL 746C

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