



# Component - Plastics

File Number: E106764

POLYPLASTICS CO LTD

18-1 KONAN



LAPEROS: A150

Liquid Crystal Polymer (LCP), pellets, thermotropic aromatic polyester

Flammability	Value	Test Method
Flame Rating		UL 94
0.44 mm, NC, BK	V-0	
0.8 mm, NC, BK	V-0	
6.0 mm, NC, BK	V-0	
1.5 mm, NC	5VA	
3.0 mm, NC	5VA	
Flammability Classification		IEC 60695-11-10, -20
0.44 mm, NC, BK	V-0	
0.8 mm, NC, BK	V-0	
6.0 mm, NC, BK	V-0	
1.5 mm, NC	5VA	
3.0 mm, NC	5VA	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.5 mm	PLC 1	
3.0 mm	PLC 1	
6.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
1.5 mm	PLC 4	
3.0 mm	PLC 4	
6.0 mm	PLC 4	
Comparative Tracking Index (CTI)	PLC 3	UL 746
Dielectric Strength	35 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Volume Resistivity	1.0E+15 ohms-cm	ASTM D257
Volume Resistivity	1.0E+15 ohms-cm	IEC 60093
Arc Resistance	PLC 4	ASTM D495
Electric Strength	35 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.44 mm	130 °C	
0.8 mm	220 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
6.0 mm	220 °C	
RTI Imp		UL 746
0.44 mm	130 °C	
0.8 mm	220 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
6.0 mm	220 °C	

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 large scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of product devices and appliances, where the acceptability of the combination is determined by UL.



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Thermal	Value	Test Method
RTI Str		UL 746
0.44 mm	130 °C	
0.8 mm	220 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
6.0 mm	220 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796

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