



Component - Plastics

File Number: E106764

POLYPLASTICS CO LTD

18-1 KONAN 2 CHOME, MINATO TOKYO 1088280 JP



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	
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0.44 mm	130 °C	
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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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