



Component - Plastics

File Number: E106764

POLYPLASTICS CO LTD

18-1 KONAN 2 CHOME, MINATO TOKYO 1088280 JP



LAPEROS: E480i(+1)

Liquid Crystal Polymer (LCP), pellets

(+1) - Virgin and regrind up to 25% by weight incl. have the same basic material characteristics. In addition 26 to 50% have the same characteristics at a min 1.5mm except the RTI w. imp property is 180C.

Flammability	Value	Test Method
Flame Rating		UL 94
0.150 mm, BK	V-0	
0.200 mm, NC, BK	V-0	
0.75 mm, NC, BK	V-0	
1.5 mm, NC, BK	V-0	
3.0 mm, NC, BK	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.150 mm, BK	V-0	
0.200 mm, NC, BK	V-0	
0.75 mm, NC, BK	V-0	
1.5 mm, NC, BK	V-0	
3.0 mm, NC, BK	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.75 mm	PLC 2	
1.5 mm	PLC 1	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	UL 746
Dielectric Strength	27 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 5	ASTM D495
Electric Strength	27 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.150 mm	130 °C	
0.200 mm	130 °C	
0.75 mm	240 °C	
1.5 mm	240 °C	
3.0 mm	240 °C	

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Thermal	Value	Test Method
RTI Imp		UL 746
0.150 mm	130 °C	
0.200 mm	130 °C	
0.75 mm	220 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
RTI Str		UL 746
0.150 mm	130 °C	
0.200 mm	130 °C	
0.75 mm	240 °C	
1.5 mm	240 °C	
3.0 mm	240 °C	
Physical	Value	Test Method
Dimensional Stability	0.090 %	ASTM D1042
Dimensional Stability	0.090 %	ISO 2796

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