



# Component - Plastics

File Number: E106764

## POLYPLASTICS CO LTD

18-1 KONAN 2 CHOME, MINATO TOKYO 1088280 JP



### LAPEROS: T130(I)(f1)

Liquid Crystal Polymer (LCP), pellets

- (f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
- (I) - Virgin and regrind up to 25% by weight incl. have the same basic material characteristics. In addition, 26 to 50% by weight incl. have the same basic material characteristics except for HWI at any thickness and HAI below 0.88 mm in the natural color only.

Flammability	Value	Test Method
Flame Rating		UL 94
0.75 mm, NC, BK	V-0	
0.9 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
0.75 mm, NC, BK	V-0	
0.9 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 4	
0.9 mm	PLC 2	
1.5 mm	PLC 1	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.75 mm	PLC 3	
0.9 mm	PLC 3	
1.5 mm	PLC 3	
3.0 mm	PLC 3	
Comparative Tracking Index (CTI)	PLC 3	UL 746
Dielectric Strength	44 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746
Volume Resistivity	1.0E+14 ohms-cm	ASTM D257
Volume Resistivity	1.0E+14 ohms-cm	IEC 60093
Arc Resistance	PLC 4	ASTM D495
Electric Strength	44 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.75 mm	130 °C	
0.9 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
0.75 mm	130 °C	
0.9 mm	180 °C	
1.5 mm	180 °C	
3.0 mm	180 °C	
RTI Str		UL 746
0.75 mm	130 °C	
0.9 mm	220 °C	
1.5 mm	240 °C	
3.0 mm	240 °C	
Physical	Value	Test Method
Outdoor Suitability	f1	UL 746C

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