



Component - Plastics

File Number: E106764

POLYPLASTICS CO LTD

18-1 KONAN



LAPEROS: S471(kk)(f2), S476(kk)(f2)

Liquid Crystal Polymer (LCP), pellets, aromatic

(f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

(kk) - Virgin and regrind up to 50% by weight inclusive have the same basic material characteristics with respect to Flammability, CTI, and Heat Deflection.

Flammability	Value	Test Method
Flame Rating		UL 94
0.100 mm, NC, BK	V-0	
0.200 mm, NC, BK	V-0	
0.38 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
0.100 mm, NC, BK	V-0	
0.200 mm, NC, BK	V-0	
0.38 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
0.200 mm	PLC 4	
0.38 mm	PLC 3	
0.75 mm	PLC 3	
1.5 mm	PLC 3	
3.0 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746
0.200 mm	PLC 0	
0.38 mm	PLC 0	
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746
Arc Resistance	PLC 4	ASTM D495

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Thermal	Value	Test Method
RTI Elec		UL 746
0.100 mm	130 °C	
0.200 mm	130 °C	
0.38 mm	130 °C	
0.75 mm	240 °C	
1.5 mm	240 °C	
3.0 mm	240 °C	
RTI Imp		UL 746
0.100 mm	130 °C	
0.200 mm	130 °C	
0.38 mm	130 °C	
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
RTI Str		UL 746
0.100 mm	130 °C	
0.200 mm	130 °C	
0.38 mm	130 °C	
0.75 mm	200 °C	
1.5 mm	220 °C	
3.0 mm	240 °C	
Physical	Value	Test Method
Outdoor Suitability	f2	UL 746C

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