



Component - Plastics

File Number: E106764

POLYPLASTICS CO LTD

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LAPEROS: S471(kk)(f1), S476(kk)(f1)

Liquid Crystal Polymer (LCP), pellets, aromatic

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

(kk) - Virgin and regrind up to 80% by weight inclusive have the same basic material characteristics with respect to Flammability, and Virgin and regrind up to 50% by weight inclusive have the same basic material characteristics with respect to CTI, and Heat Deflection.

Flammability	Value	Test Method
Flame Rating		UL 94
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
0.75 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 746A
0.75 mm	PLC 3	
1.5 mm	PLC 3	
3.0 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746A
0.75 mm	PLC 3	
1.5 mm	PLC 3	
3.0 mm	PLC 3	
Comparative Tracking Index (CTI)	PLC 3	UL 746A
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746A
Arc Resistance	PLC 4	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
0.75 mm	240 °C	
1.5 mm	240 °C	
3.0 mm	240 °C	
RTI Imp		UL 746B
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
RTI Str		UL 746B
0.75 mm	200 °C	
1.5 mm	220 °C	
3.0 mm	240 °C	
Physical	Value	Test Method
Outdoor Suitability	f1	UL 746C

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