



# Component - Plastics

File Number: E106764

## POLYPLASTICS CO LTD

18-1 KONAN 2-CHOME  
MINATO-KU, Tokyo 108-8280 Japan



## LAPEROS: A410

Liquid Crystal Polymer (LCP), pellets, thermotropic aromatic polyester

Flammability	Value	Test Method
Flame Rating		UL 94
0.200 mm, NC, BK	V-0	
0.60 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
6.0 mm, ALL	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.200 mm, NC, BK	V-0	
0.60 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
6.0 mm, ALL	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
1.5 mm	PLC 1	
3.0 mm	PLC 1	
6.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746A
1.5 mm	PLC 4	
3.0 mm	PLC 4	
6.0 mm	PLC 4	
Comparative Tracking Index (CTI)	PLC 3	UL 746A
Dielectric Strength	35 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746A
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257
Volume Resistivity	1.0E+15 ohms·cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
0.200 mm	130 °C	
0.60 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
6.0 mm	130 °C	
RTI Imp		UL 746B
0.200 mm	130 °C	
0.60 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
6.0 mm	130 °C	

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Thermal	Value	Test Method
RTI Str		UL 746B
0.200 mm	130 °C	
0.60 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
6.0 mm	130 °C	
Physical	Value	Test Method
Dimensional Change	0.0 %	ASTM D1042
Dimensional Change	0.0 %	ISO 2796

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