

## POLYPLASTICS CO LTD

18-1 KONAN 2 CHOME, MINATO TOKYO 1088280 JP



LAPEROS: S140M

Liquid Crystal Polymer (LCP), pellets

Flame Rating UL 94   0.150 mm, NC, BK V-0   0.28 mm, NC, BK V-0   0.40 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   0.150 mm, NC, BK V-0   0.28 mm, NC, BK V-0   0.40 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	Value	Test Method
0.28 mm, NC, BK V-0   0.40 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   0.150 mm, NC, BK V-0   0.28 mm, NC, BK V-0   0.40 mm, NC, BK V-0   0.75 mm, NC, BK V-0   1.5 mm, NC, BK V-0   0.28 mm PLC 4   0.40 mm PLC 3   0.75 mm PLC 1   3.0 mm PLC 1   1.5 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   0.150 mm PLC 0			UL 94
0.40 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   0.150 mm, NC, BK V-0   0.28 mm, NC, BK V-0   0.40 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   1.5 mm PLC 4   0.40 mm PLC 3   1.5 mm PLC 1   3.0 mm PLC 1   1.5 mm PLC 0   0.40 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   0.75 mm PLC 0   0.75 mm PLC 0   0.75 mm PLC 0   0.150 mm 130 °C   0.150 mm 130 °C   0.150 mm 130 °C	0.150 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, NC, BK V-0   0.28 mm, NC, BK V-0   0.75 mm, NC, BK V-0   1.5 mm PLC 4   0.28 mm PLC 4   0.75 mm PLC 1   1.5 mm PLC 0   0.75 mm PLC 0   0.150 mm	0.28 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, NC, BK V-0   0.28 mm, NC, BK V-0   0.75 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   1.5 mm, NC, BK V-0   0.28 mm PLC 4   0.75 mm PLC 3   1.5 mm PLC 1   1.5 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   1.5 mm PLC 0   1.5 mm PLC 4 UL 746   Comparative Tracking Index (CTI) PLC 4 UL 746   Test Method   RTI Elec UL 746   0.150 mm 130 °C UL 746   0.150 mm 130 °C <t< td=""><td>0.40 mm, NC, BK</td><td>V-0</td><td></td></t<>	0.40 mm, NC, BK	V-0	
3.0 mm, NC, BK	0.75 mm, NC, BK	V-0	
Flammability Classification	1.5 mm, NC, BK	V-0	
0.150 mm, NC, BK V-0   0.28 mm, NC, BK V-0   0.40 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   0.28 mm PLC 4   0.40 mm PLC 3   1.5 mm PLC 1   3.0 mm PLC 1   High Amp Arc Ignition (HAI) UL 746   0.28 mm PLC 0   0.40 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   TIElec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C	3.0 mm, NC, BK	V-0	
0.28 mm, NC, BK V-0   0.40 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   0.28 mm PLC 4   0.40 mm PLC 4   0.75 mm PLC 3   1.5 mm PLC 1   3.0 mm PLC 0   0.40 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   0.75 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Thermal Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.29 mm 130 °C   0.40 mm 130 °C   1.5 mm 130 °C	Flammability Classification		IEC 60695-11-10, -20
0.40 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   0.28 mm PLC 4   0.40 mm PLC 3   1.5 mm PLC 1   3.0 mm PLC 1   1.5 mm PLC 0   0.40 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Thermal Value Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C	0.150 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   0.28 mm PLC 4   0.40 mm PLC 3   1.5 mm PLC 1   3.0 mm PLC 1   High Amp Arc Ignition (HAI) UL 746   0.28 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Thermal Value Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.28 mm 130 °C   0.28 mm 130 °C   0.75 mm 130 °C   0.75 mm 130 °C   0.75 mm 130 °C	0.28 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   0.28 mm PLC 4 0.40 mm PLC 4   0.40 mm PLC 3 1.5 mm PLC 1   1.5 mm PLC 1 PLC 1   3.0 mm PLC 0 PLC 0   0.28 mm PLC 0 PLC 0   0.75 mm PLC 0 PLC 0   1.5 mm PLC 0 PLC 0   3.0 mm PLC 0 PLC 0   1.5 mm PLC 0 PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Thermal Value Test Method   RTI Elec UL 746   0.150 mm 130 °C UL 746   0.28 mm 130 °C PLC 0   0.40 mm 130 °C PLC 0 PLC 0   0.75 mm 130 °C PLC 0 PLC 0   0.75 mm 130 °C PLC 0 PLC 0   0.75 mm 130 °C PLC 0 PLC 0 PLC 0   0.75 mm 130 °	0.40 mm, NC, BK	V-0	
Silectrical V-0   Electrical Value Test Method   Hot-wire Ignition (HWI) UL 746   0.28 mm PLC 4   0.40 mm PLC 3   0.75 mm PLC 3   1.5 mm PLC 1   3.0 mm PLC 1   4.0 mm PLC 0   0.28 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Thermal Value Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C	0.75 mm, NC, BK	V-0	
Electrical   Value   Test Method     Hot-wire Ignition (HWI)   UL 746     0.28 mm   PLC 4     0.40 mm   PLC 3     0.75 mm   PLC 3     1.5 mm   PLC 1     3.0 mm   PLC 1     High Amp Arc Ignition (HAI)   UL 746     0.28 mm   PLC 0     0.40 mm   PLC 0     0.75 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     Comparative Tracking Index (CTI)   PLC 4   UL 746     Thermal   Value   Test Method     RTI Elec   UL 746     0.150 mm   130 °C   UL 746     0.28 mm   130 °C   UL 746     0.28 mm   130 °C   UL 746     0.75 mm   130 °C   UL 746		V-0	
Hot-wire Ignition (HWI) UL 746   0.28 mm PLC 4   0.40 mm PLC 3   0.75 mm PLC 3   1.5 mm PLC 1   3.0 mm PLC 1   High Amp Arc Ignition (HAI) UL 746   0.28 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Thermal Value Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C	3.0 mm, NC, BK	V-0	
0.28 mm PLC 4   0.40 mm PLC 4   0.75 mm PLC 3   1.5 mm PLC 1   3.0 mm PLC 1   High Amp Arc Ignition (HAI) UL 746   0.28 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Thermal Value Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C	Electrical	Value	
0.40 mm PLC 4   0.75 mm PLC 3   1.5 mm PLC 1   3.0 mm PLC 1   High Amp Arc Ignition (HAI) UL 746   0.28 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C			UL 746
0.75 mm PLC 3   1.5 mm PLC 1   3.0 mm PLC 1   High Amp Arc Ignition (HAI) UL 746   0.28 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Thermal Value Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C			
1.5 mm PLC 1   3.0 mm PLC 1   High Amp Arc Ignition (HAI) UL 746   0.28 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C			
3.0 mm PLC 1   High Amp Arc Ignition (HAI) UL 746   0.28 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C			
High Amp Arc Ignition (HAI) UL 746   0.28 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C			
0.28 mm PLC 0   0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C		PLC 1	
0.40 mm PLC 0   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C			UL 746
0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Thermal Value Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C			
1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Thermal Value Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C			
3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 4 UL 746   Thermal Value Test Method   RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C			
Comparative Tracking Index (CTI)   PLC 4   UL 746     Thermal   Value   Test Method     RTI Elec   UL 746     0.150 mm   130 °C     0.28 mm   130 °C     0.40 mm   130 °C     0.75 mm   130 °C     1.5 mm   130 °C			
Thermal   Value   Test Method     RTI Elec   UL 746     0.150 mm   130 °C     0.28 mm   130 °C     0.40 mm   130 °C     0.75 mm   130 °C     1.5 mm   130 °C			
RTI Elec UL 746   0.150 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C			
0.150 mm 130 °C   0.28 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C		Value	
0.28 mm 130 °C   0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C			UL 746
0.40 mm 130 °C   0.75 mm 130 °C   1.5 mm 130 °C			
0.75 mm 130 °C 1.5 mm 130 °C			
1.5 mm 130 °C			
3.0 mm 130 °C			
	3.0 mm	130 °C	

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## Component - Plastics

File Number: E106764



Thermal	Value	Test Method
RTI Imp		UL 746
0.150 mm	130 °C	
0.28 mm	130 °C	
0.40 mm	130 °C	
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
RTI Str		UL 746
0.150 mm	130 °C	
0.28 mm	130 °C	
0.40 mm	130 °C	
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	

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