

**Sumika Polycarbonate Limited**

Technical Service & Development Lab
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File Number: E123529

875-20

Polycarbonate (PC), pellets



Flammability	Value	Test Method
Flame Rating		UL 94
1.0 mm, ALL	V-0	IEC 60695-11-10, -20
1.5 mm, ALL	V-0	
2.5 mm, ALL	V-0, 5VB	
3.0 mm, ALL	V-0, 5VB	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
1.0 mm	PLC 2	
1.5 mm	PLC 2	
2.5 mm	PLC 2	
3.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
1.0 mm	PLC 0	
1.5 mm	PLC 0	
2.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	UL 746A
Dielectric Strength	25 kV/mm	ASTM D149
Volume Resistivity	1.0E+19 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 7	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
1.0 mm	80.0 °C	
1.5 mm	125 °C	
2.5 mm	125 °C	
3.0 mm	125 °C	
RTI Imp		UL 746B
1.0 mm	80.0 °C	
1.5 mm	125 °C	
2.5 mm	125 °C	
3.0 mm	125 °C	



Thermal	Value	Test Method
RTI Str		UL 746B
1.0 mm	80.0 °C	
1.5 mm	125 °C	
2.5 mm	125 °C	
3.0 mm	125 °C	
Physical	Value	Test Method
Dimensional Change	0.0 %	ASTM D1042 ISO 2796