



Component - Plastics

File Number: E121254

SAMYANG CORPORATION

407 3-Ga Palbok-Dong
Cheonju, YKCheonbuk 560-200 Korea, Republic of



TRIEX: M30(xx)PN

Polycarbonate (PC), pellets

(xx) - Represents any number 00-99 incl. to denote customer code.

Flammability	Value	Test Method
Flame Rating		UL 94
0.40 mm, ALL	V-2	IEC 60695-11-10, -20
0.70 mm, ALL	V-0	
0.8 mm, ALL	V-0	
2.0 mm, BK	V-0, 5VB	
3.0 mm, ALL	V-0, 5VA	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.8 mm	PLC 2	
2.0 mm	PLC 2	
3.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746
0.8 mm	PLC 0	
2.0 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746
Dielectric Strength	25 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Inclined-Plane Tracking	1.5 kV	ASTM D2303
Volume Resistivity	1.0E+16 ohms-cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.40 mm	80.0 °C	
0.70 mm	80.0 °C	
0.8 mm	80.0 °C	
2.0 mm	80.0 °C	
3.0 mm	80.0 °C	
RTI Imp		UL 746
0.40 mm	80.0 °C	
0.70 mm	80.0 °C	
0.8 mm	80.0 °C	
2.0 mm	80.0 °C	
3.0 mm	80.0 °C	

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RTI Str		UL 746
0.40 mm	80.0 °C	
0.70 mm	80.0 °C	
0.8 mm	80.0 °C	
2.0 mm	80.0 °C	
3.0 mm	80.0 °C	
Physical	Value	Test Method
Dimensional Stability	0.010 %	ASTM D1042 ISO 2796