



Component - Plastics

File Number: E121254

SAMYANG CORPORATION

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



TRIEX: SO4-30(xx)(@)(f2)

polycarbonate/Siloxane (PC/Siloxane), pellets

(@) - Represents any letter A ~ Z incl., except G with the grade 2(xx)GNH(e).

(f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

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

Flammability	Value	Test Method
Flame Rating		
0.70 mm, ALL	HB	UL 94
1.0 mm, ALL	HB	UL 94
1.5 mm, ALL	HB	UL 94
3.0 mm, ALL	HB	UL 94
3.0 mm, ALL	HB40	IEC 60695-11-10, -20
0.70 mm, ALL	HB75	IEC 60695-11-10, -20
1.0 mm, ALL	HB75	IEC 60695-11-10, -20
1.5 mm, ALL	HB75	IEC 60695-11-10, -20
Glow Wire Flammability Index		IEC 60695-2-12
0.70 mm	960 °C	
1.0 mm	960 °C	
1.5 mm	960 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.70 mm	900 °C	
1.0 mm	900 °C	
1.5 mm	930 °C	
3.0 mm	930 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.70 mm	PLC 2	
1.0 mm	PLC 2	
1.5 mm	PLC 2	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.70 mm	PLC 0	
1.0 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	UL 746
Dielectric Strength	25 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746
Inclined-Plane Tracking	1.5 kV	ASTM D2303
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 7	ASTM D495

Component - Plastics

File Number: E121254



Thermal	Value	Test Method
RTI Elec		UL 746
0.70 mm	80.0 °C	
1.0 mm	80.0 °C	
1.5 mm	80.0 °C	
3.0 mm	80.0 °C	
RTI Imp		UL 746
0.70 mm	80.0 °C	
1.0 mm	80.0 °C	
1.5 mm	80.0 °C	
3.0 mm	80.0 °C	
RTI Str		UL 746
0.70 mm	80.0 °C	
1.0 mm	80.0 °C	
1.5 mm	80.0 °C	
3.0 mm	80.0 °C	
Ball Pressure Test (125°C)	Pass	IEC 60695-10-2
Physical	Value	Test Method
Dimensional Stability	0.46 %	ASTM D1042 ISO 2796
Outdoor Suitability	f2	UL 746C