

SAMYANG CORPORATION

407 3-Ga Palbok-Dong

Cheonju, YKCheonbuk 560-200 Korea, Republic of



TRIREX: 3025G(y) (f2), 3025PG(y), 3025PGR(y), 3025GRU(y), 3025PGRU(y)

Polycarbonate (PC), pellets

- (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.
- (y) Represents any number 10-19 incl.

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	
2.0 mm, ALL	V-0, 5VB	
3.0 mm, ALL	V-0, 5VA	
6.0 mm, ALL	V-0, 5VA	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.5 mm	PLC 2	
2.0 mm	PLC 2	
3.0 mm	PLC 2	
6.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
1.5 mm	PLC 0	
2.0 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	UL 746
Dielectric Strength	31 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 7	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
1.0 mm	80.0°C	
1.5 mm	125 °C	
2.0 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
RTI Imp		UL 746
1.0 mm	80.0°C	
1.5 mm	115 °C	
2.0 mm	115 °C	
3.0 mm	115 °C	
6.0 mm	115 °C	

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ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 smallscale test data is intended solely for determining the flammability of plastic materials used in the components and parts of endproduct devices and appliances, where the acceptability of the combination is determined by UL.

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Component - Plastics File Number: E121254



Thermal	Value	Test Method
RTI Str		UL 746
1.0 mm	80.0°C	
1.5 mm	125 °C	
2.0 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796
Outdoor Suitability	f2	UL 746C