



Component - Plastics

File Number: E121254

SAMYANG CORPORATION

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Cheonju, YKCheonbuk 560-200 Korea, Republic of



TRIEX: 3025NB, 3025PNB, 3030NB, 3030PNB

Polycarbonate (PC), pellets

Flammability	Value	Test Method
Flame Rating		UL 94
0.51 mm, ALL	V-0	IEC 60695-11-10, -20
0.75 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
6.0 mm, ALL	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.75 mm	PLC 3	
1.5 mm	PLC 3	
3.0 mm	PLC 1	
6.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.75 mm	PLC 3	
1.5 mm	PLC 2	
3.0 mm	PLC 2	
6.0 mm	PLC 2	
Comparative Tracking Index (CTI)	PLC 4	UL 746
Dielectric Strength	24 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.51 mm	80.0 °C	
0.75 mm	125 °C	
1.5 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
RTI Imp		UL 746
0.51 mm	80.0 °C	
0.75 mm	100 °C	
1.5 mm	110 °C	
3.0 mm	110 °C	
6.0 mm	110 °C	

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Thermal	Value	Test Method
RTI Str		UL 746
0.51 mm	80.0 °C	
0.75 mm	125 °C	
1.5 mm	125 °C	
3.0 mm	130 °C	
6.0 mm	130 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796