



Component - Plastics

File Number: E121254

SAMYANG CORPORATION

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TRIEX: 3020A, 3020W, 3020HF, 3020PHF, 3020P, 3020I, 3020PI, 3020IS, 3020PIS, 3020R,
3020IR, 3020B, 3020PR, 3020PIR, 3020U, 3020PU, 3020FD, 3030FD, 3020PFD, 3030PFD

Polycarbonate (PC), pellets

Flammability	Value	Test Method
Flame Rating		UL 94
0.50 mm, ALL	V-2	IEC 60695-11-10, -20
1.5 mm, ALL	V-2	
3.0 mm, ALL	V-2	
6.0 mm, ALL	V-2	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.5 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	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746
Dielectric Strength	31 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 2	UL 746
Volume Resistivity	1.0E+14 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.50 mm	80.0 °C	
1.5 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
RTI Imp		UL 746
0.50 mm	80.0 °C	
1.5 mm	115 °C	
3.0 mm	115 °C	
6.0 mm	115 °C	
RTI Str		UL 746
0.50 mm	80.0 °C	
1.5 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