



Component - Plastics

File Number: E121254

SAMYANG CORPORATION

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



TRIBIT: 1500, 1510, 1710

Polybutylene Terephthalate (PBT), pellets

Flammability	Value	Test Method
Flame Rating		
0.8 mm, ALL	HB	UL 94
1.5 mm, ALL	HB	UL 94
3.0 mm, ALL	HB	UL 94
6.0 mm, ALL	HB	UL 94
3.0 mm, ALL	HB40	IEC 60695-11-10, -20
6.0 mm, ALL	HB40	IEC 60695-11-10, -20
0.8 mm, ALL	HB75	IEC 60695-11-10, -20
1.5 mm, ALL	HB75	IEC 60695-11-10, -20
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.8 mm	PLC 4	
1.5 mm	PLC 4	
3.0 mm	PLC 3	
6.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.8 mm	PLC 1	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Arc Resistance	PLC 5	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.8 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
6.0 mm	130 °C	
RTI Imp		UL 746
0.8 mm	75.0 °C	
1.5 mm	120 °C	
3.0 mm	120 °C	
6.0 mm	120 °C	
RTI Str		UL 746
0.8 mm	140 °C	
1.5 mm	140 °C	
3.0 mm	140 °C	
6.0 mm	140 °C	