



Component - Plastics

File Number: E108538

STYROLUTION GMBH

CARL-BOSCH-STRASSE 38, LUDWIGSHAFEN 67056 DE



Polystyrol or Styrolution PS: 454C, 454N

Styrene Butadiene (SB), pellets

Flammability	Value	Test Method
Flame Rating		
1.00 mm, ALL	HB	UL 94
1.50 mm, ALL	HB	UL 94
3.00 mm, ALL	HB	UL 94
3.00 mm, ALL	HB40	IEC 60695-11-10, -20
1.00 mm, ALL	HB75	IEC 60695-11-10, -20
1.50 mm, ALL	HB75	IEC 60695-11-10, -20
Glow Wire Flammability Index		IEC 60695-2-12
1.00 mm	700 °C	
1.50 mm	700 °C	
3.00 mm	700 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
1.00 mm	725 °C	
1.50 mm	725 °C	
3.00 mm	725 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.50 mm	PLC 4	
3.00 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746
1.50 mm	PLC 2	
3.00 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746
Dielectric Strength	46 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 2	UL 746
Volume Resistivity	1.0E+14 ohm·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
1.00 mm	50.0 °C	
1.50 mm	50.0 °C	
3.00 mm	50.0 °C	
RTI Imp		UL 746
1.00 mm	50.0 °C	
1.50 mm	50.0 °C	
3.00 mm	50.0 °C	
RTI Str		UL 746
1.00 mm	50.0 °C	
1.50 mm	50.0 °C	
3.00 mm	50.0 °C	

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Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796

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