

Die UL-Listung dieses Materials gilt NUR für die direkt vom Hersteller produzierten Farben. Die Firma Bopla färbt dieses Material nachträglich ein, somit bleiben die Eigenschaften erhalten - ABER die UL Listung erlischt.

The UL listing of this material applies ONLY to colors produced directly by the manufacturer. The company Bopla colours this material afterwards, so the characteristic is unchanged - BUT the UL listing becomes invalid.



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



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

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