



Component - Plastics

File Number: E95746

Solvay Specialty Polymers USA L L C
4500 MCGINNIS FERRY RD, ALPHARETTA GA 30005-2203



RYTON: BR111(h)

Polyphenylene Sulfide (PPS), pellets, glass reinforced, mineral reinforced

(h) - Where (h) is a two letter suffix representing color per supplier's designation of color

Flammability	Value	Test Method
Flame Rating		UL 94
0.71 mm, NC, BK	V-0	
1.5 mm, NC, BK	V-0, 5VA	
3.0 mm, NC, BK	V-0	
6.0 mm, NC, BK	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.71 mm, NC, BK	V-0	
1.5 mm, NC, BK	V-0, 5VA	
3.0 mm, NC, BK	V-0	
6.0 mm, NC, BK	V-0	
Glow Wire Flammability Index (1.5 mm)	960 °C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.5 mm)	875 °C	IEC 60695-2-13
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.71 mm	PLC 3	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.71 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	UL 746
Dielectric Strength	10 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Volume Resistivity	1.0E+15 ohms-cm	ASTM D257
Volume Resistivity	1.0E+15 ohms-cm	IEC 60093
Arc Resistance	PLC 4	ASTM D495
Comparative Tracking Index (3.00 mm)	275 V	IEC 60112
Electric Strength	10 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.71 mm	220 °C	
1.5 mm	240 °C	
3.0 mm	240 °C	
6.0 mm	240 °C	

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Thermal	Value	Test Method
RTI Imp		UL 746
0.71 mm	200 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
6.0 mm	220 °C	
RTI Str		UL 746
0.71 mm	220 °C	
1.5 mm	240 °C	
3.0 mm	240 °C	
6.0 mm	240 °C	
Ball Pressure Test (240°C, 3.00 mm)	Pass	IEC 60695-10-2
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796

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