



Component - Plastics

File Number: E95746

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



RYTON: R-4-220(h)

Polyphenylene Sulfide (PPS), pellets, glass 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	
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	
3.0 mm, NC, BK	V-0	
6.0 mm, NC, BK	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.71 mm	PLC 4	
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 1	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 4	UL 746
Dielectric Strength	17 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746
Volume Resistivity	1.0E+15 ohms-cm	ASTM D257
Volume Resistivity	1.0E+15 ohms-cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495
Electric Strength	17 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.200 mm	130 °C	
0.71 mm	200 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
6.0 mm	220 °C	

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Thermal	Value	Test Method
RTI Imp		UL 746
0.200 mm	130 °C	
0.71 mm	200 °C	
1.5 mm	200 °C	
3.0 mm	200 °C	
6.0 mm	200 °C	
RTI Str		UL 746
0.200 mm	130 °C	
0.71 mm	200 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
6.0 mm	220 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796

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