Component - Plastics

File Number: E95746

Solvay Specialty Polymers USA L L C

4500 MCGINNIS FERRY RD, ALPHARETTA GA 30005-2203

RYTON: R-4-230(h) (f1)

Polyphenylene Sulfide (PPS), pellets, glass reinforced

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

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

Flammability	Value	Test Method
Flame Rating		UL 94
0.39 mm, NC, BK	V-0	
0.71 mm, NC, BK	V-0	
1.5 mm, NC, BK	V-0, 5VA	
3.0 mm, NC, BK	V-0, 5VA	
6.0 mm, NC, BK	V-0, 5VA	
Flammability Classification		IEC 60695-11-10, -20
0.39 mm, NC, BK	V-0	
0.71 mm, NC, BK	V-0	
1.5 mm, NC, BK	V-0, 5VA	
3.0 mm, NC, BK	V-0, 5VA	
6.0 mm, NC, BK	V-0, 5VA	
Glow Wire Flammability Index		IEC 60695-2-12
0.71 mm	975 °C	
1.5 mm	975 °C	
3.0 mm	975 °C	
6.0 mm	975 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.71 mm	825 °C	
1.5 mm	825 °C	
3.0 mm	825 °C	
6.0 mm	825 °C	
Electrical	**Value**	**Test Method**
Hot-wire Ignition (HWI)		UL 746
0.39 mm	PLC 4	
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
0.39 mm	PLC 1	
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

Form Number: E95746-102108311

Report Date: 1973-01-18
Last Revised: 2018-11-10

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Electrical	Value	Test Method
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257
Volume Resistivity	1.0E+15 ohms·cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495
Comparative Tracking Index (3.00 mm)	175 V	IEC 60112
Electric Strength	17 kV/mm	IEC 60243-1
Thermal	**Value**	**Test Method**
RTI Elec		UL 746
0.39 mm	130 °C	
0.71 mm	200 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
6.0 mm	220 °C	
RTI Imp		UL 746
0.39 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
0.39 mm	130 °C	
0.71 mm	200 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
6.0 mm	220 °C	
Ball Pressure Test (250°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
Outdoor Suitability	f1	UL 746C

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