



# Component - Plastics

File Number: E95746

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



## RYTON: R-7-121(h)(f1)(a)

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

(a) - Inclined Plane Tracking per UL746A average time to track at 2500V is 3 minutes

(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
0.75 mm, BK	V-0	
1.5 mm, BK	V-0, 5VA	
3.0 mm, BK	V-0	
6.0 mm, BK	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.75 mm, BK	V-0	
1.5 mm, BK	V-0, 5VA	
3.0 mm, BK	V-0	
6.0 mm, BK	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
0.75 mm	960 °C	
6.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.75 mm	825 °C	
6.0 mm	875 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.75 mm	PLC 1	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746
Dielectric Strength	13 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Inclined-Plane Tracking (2.5 kV)	3 min	ASTM D2303
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)	250 V	IEC 60112
Electric Strength	13 kV/mm	IEC 60243-1

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Thermal	Value	Test Method
RTI Elec		UL 746
0.75 mm	220 °C	
1.5 mm	240 °C	
3.0 mm	240 °C	
6.0 mm	220 °C	
RTI Imp		UL 746
0.75 mm	200 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
6.0 mm	200 °C	
RTI Str		UL 746
0.75 mm	220 °C	
1.5 mm	240 °C	
3.0 mm	240 °C	
6.0 mm	220 °C	
Ball Pressure Test (200°C, 3.00 mm)	Pass	IEC 60695-10-2
Physical	Value	Test Method
Outdoor Suitability	f1	UL 746C

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