



## Component - Plastics

File Number: E95746

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



### RYTON: R-4-200(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      |                      |
| 0.75 mm, NC, BK                | V-0      |                      |
| 1.0 mm, NC, BK                 | V-0      |                      |
| 1.5 mm, NC, BK                 | V-0      |                      |
| 1.7 mm, BK                     | V-0, 5VA |                      |
| 3.0 mm, BK                     | V-0, 5VA |                      |
| 6.0 mm, BK                     | V-0, 5VA |                      |
| Flammability Classification    |          | IEC 60695-11-10, -20 |
| 0.39 mm, NC, BK                | V-0      |                      |
| 0.75 mm, NC, BK                | V-0      |                      |
| 1.0 mm, NC, BK                 | V-0      |                      |
| 1.5 mm, NC, BK                 | V-0      |                      |
| 1.7 mm, BK                     | V-0, 5VA |                      |
| 3.0 mm, BK                     | V-0, 5VA |                      |
| 6.0 mm, BK                     | V-0, 5VA |                      |
| Glow Wire Flammability Index   |          | IEC 60695-2-12       |
| 1.0 mm                         | 960 °C   |                      |
| 1.5 mm                         | 960 °C   |                      |
| 3.0 mm                         | 960 °C   |                      |
| 6.0 mm                         | 960 °C   |                      |
| Glow Wire Ignition Temperature |          | IEC 60695-2-13       |
| 1.0 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               |
| 0.75 mm                        | PLC 4    |                      |
| 1.0 mm                         | PLC 4    |                      |
| 1.5 mm                         | PLC 0    |                      |
| 1.7 mm                         | PLC 0    |                      |
| 3.0 mm                         | PLC 0    |                      |
| 6.0 mm                         | PLC 0    |                      |

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| Electrical                            | Value           | Test Method |
|---------------------------------------|-----------------|-------------|
| High Amp Arc Ignition (HAI)           |                 | UL 746      |
| 0.75 mm                               | PLC 1           |             |
| 1.0 mm                                | PLC 1           |             |
| 1.5 mm                                | PLC 0           |             |
| 1.7 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      |
| 0.39 mm                               | 130 °C          |             |
| 0.75 mm                               | 200 °C          |             |
| 1.0 mm                                | 200 °C          |             |
| 1.5 mm                                | 220 °C          |             |
| 1.7 mm                                | 220 °C          |             |
| 3.0 mm                                | 220 °C          |             |
| 6.0 mm                                | 220 °C          |             |
| RTI Imp                               |                 | UL 746      |
| 0.39 mm                               | 130 °C          |             |
| 0.75 mm                               | 200 °C          |             |
| 1.0 mm                                | 200 °C          |             |
| 1.5 mm                                | 200 °C          |             |
| 1.7 mm                                | 200 °C          |             |
| 3.0 mm                                | 200 °C          |             |
| 6.0 mm                                | 200 °C          |             |
| RTI Str                               |                 | UL 746      |
| 0.39 mm                               | 130 °C          |             |
| 0.75 mm                               | 200 °C          |             |
| 1.0 mm                                | 200 °C          |             |
| 1.5 mm                                | 220 °C          |             |
| 1.7 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    |
| Outdoor Suitability                   | f1              | UL 746C     |

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