



# Component - Plastics

File Number: E95746

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



Kalix: 2930 (##) HFFR

Polyamide (PA), pellets

(##) - Denotes up to six characters consisting of a combination of letters and/or numbers representing a color code.

| Flammability                          | Value           | Test Method          |
|---------------------------------------|-----------------|----------------------|
| Flame Rating                          |                 | UL 94                |
| 0.40 mm, BK                           | V-2             |                      |
| 0.75 mm, BK                           | V-1             |                      |
| 1.5 mm, BK                            | V-1             |                      |
| 3.0 mm, BK                            | V-0             |                      |
| Flammability Classification           |                 | IEC 60695-11-10, -20 |
| 3.0 mm, BK                            | V-0             |                      |
| 0.75 mm, BK                           | V-1             |                      |
| 1.5 mm, BK                            | V-1             |                      |
| 0.40 mm, BK                           | V-2             |                      |
| Glow Wire Flammability Index          |                 | IEC 60695-2-12       |
| 0.40 mm                               | 960 °C          |                      |
| 0.75 mm                               | 960 °C          |                      |
| 1.5 mm                                | 725 °C          |                      |
| 3.0 mm                                | 960 °C          |                      |
| Glow Wire Ignition Temperature        |                 | IEC 60695-2-13       |
| 0.40 mm                               | 750 °C          |                      |
| 0.75 mm                               | 725 °C          |                      |
| 1.5 mm                                | 725 °C          |                      |
| 3.0 mm                                | 725 °C          |                      |
| Electrical                            | Value           | Test Method          |
| Hot-wire Ignition (HWI)               |                 | UL 746               |
| 0.40 mm                               | PLC 1           |                      |
| 0.75 mm                               | PLC 0           |                      |
| 1.5 mm                                | PLC 0           |                      |
| 3.0 mm                                | PLC 0           |                      |
| High Amp Arc Ignition (HAI)           |                 | UL 746               |
| 0.40 mm                               | PLC 1           |                      |
| 0.75 mm                               | PLC 1           |                      |
| 1.5 mm                                | PLC 0           |                      |
| 3.0 mm                                | PLC 0           |                      |
| Comparative Tracking Index (CTI)      | PLC 0           | UL 746               |
| Dielectric Strength                   | 31 kV/mm        | ASTM D149            |
| High Voltage Arc Tracking Rate (HVTR) | PLC 1           | UL 746               |
| Volume Resistivity                    | 1.0E+16 ohms·cm | ASTM D257            |
| Volume Resistivity                    | 1.0E+16 ohms·cm | IEC 60093            |
| Arc Resistance                        | PLC 4           | ASTM D495            |
| Electric Strength                     | 31 kV/mm        | IEC 60243-1          |

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| Thermal  | Value   | Test Method |
|----------|---------|-------------|
| RTI Elec |         | UL 746      |
| 0.40 mm  | 65.0 °C |             |
| 0.75 mm  | 65.0 °C |             |
| 1.5 mm   | 65.0 °C |             |
| 3.0 mm   | 65.0 °C |             |
| RTI Imp  |         | UL 746      |
| 0.40 mm  | 65.0 °C |             |
| 0.75 mm  | 65.0 °C |             |
| 1.5 mm   | 65.0 °C |             |
| 3.0 mm   | 65.0 °C |             |
| RTI Str  |         | UL 746      |
| 0.40 mm  | 65.0 °C |             |
| 0.75 mm  | 65.0 °C |             |
| 1.5 mm   | 65.0 °C |             |
| 3.0 mm   | 65.0 °C |             |

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