



Component - Plastics

File Number: E67171

LG CHEM LTD
20 YOIDO-DONG
YONGDUNGPO-GU
SEOUL, 150-721 Republic of Korea



LI913(#)(f1), LI923(f1)

Acrylonitrile Styrene Acrylate (ASA), pellets

(#) - May be followed by optional suffix letter from A-Z incl., except F, and except Grades HT700B, LI912A, AF303G, AF303S, XR404T, XR407D, XR407E, HF380X, XR404E, XR404-G, XR404-P and LUMILOY GN2108FI.

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

| Flammability | Value | Test Method |
|---------------------------------------|-----------------|------------------------|
| Flame Rating | | |
| 1.5 mm, ALL | HB | UL 94 |
| 3.0 mm, ALL | HB | UL 94 |
| 6.0 mm, ALL | HB | UL 94 |
| 3.0 mm, ALL | HB40 | IEC 60695-11-10, -20 |
| 6.0 mm, ALL | HB40 | IEC 60695-11-10, -20 |
| 1.5 mm, ALL | HB75 | IEC 60695-11-10, -20 |
| Electrical | Value | Test Method |
| Hot-wire Ignition (HWI) | | UL 746 |
| 1.5 mm | PLC 4 | |
| 3.0 mm | PLC 3 | |
| 6.0 mm | PLC 2 | |
| High Amp Arc Ignition (HAI) | | UL 746 |
| 1.5 mm | PLC 0 | |
| 3.0 mm | PLC 0 | |
| 6.0 mm | PLC 0 | |
| Comparative Tracking Index (CTI) | PLC 0 | UL 746 |
| Dielectric Strength | 28 kV/mm | ASTM D149 |
| High Voltage Arc Tracking Rate (HVTR) | PLC 1 | UL 746 |
| Volume Resistivity | 1.0E+15 ohms·cm | ASTM D257 IEC 60093 |
| Arc Resistance | PLC 6 | ASTM D495 |
| Thermal | Value | Test Method |
| RTI Elec | | UL 746 |
| 1.5 mm | 50.0 °C | |
| 3.0 mm | 50.0 °C | |
| 6.0 mm | 50.0 °C | |
| RTI Imp | | UL 746 |
| 1.5 mm | 50.0 °C | |
| 3.0 mm | 50.0 °C | |
| 6.0 mm | 50.0 °C | |
| RTI Str | | UL 746 |
| 1.5 mm | 50.0 °C | |
| 3.0 mm | 50.0 °C | |
| 6.0 mm | 50.0 °C | |

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| Physical | Value | Test Method |
|-----------------------|-------|------------------------|
| Dimensional Stability | 0.0 % | ASTM D1042 ISO 2796 |
| Outdoor Suitability | f1 | UL 746C |