

## LG CHEM LTD

20 YOIDO-DONG, YONGDUNGPO-GU, SEOUL 150-721 KR

## TR558A(#)

Acrylonitrile Butadiene Styrene/Methylmethacrylate (ABS/MMA), furnished as pellets

| Color | Min Thk<br>(mm) | Flame<br>Class | HWI | HAI | RTI<br>Elec | RTI<br>Imp | RTI<br>Str |
|-------|-----------------|----------------|-----|-----|-------------|------------|------------|
| ALL   | 1.5             | HB             | 2   | 3   | 50          | 50         | 50         |
|       | 3.0             | HB             | 3   | 3   | 50          | 50         | 50         |

Comparative Tracking Index (CTI): 1

Dielectric Strength (kV/mm): 28

High-Voltage Arc Tracking Rate (HVTR): 0

Dimensional Stability (%): 0

Inclined Plane Tracking (IPT): -

Volume Resistivity ( $10^2$  ohm-cm): 16

High Volt, Low Current Arc Resis (D495): 6

(#)- May be followed by optional suffix letter from A-Z incl., except F, and except Grades HT700B, XR401B, LI912A, AF303G, AF303S, XR404T, XR407D, XR407E, HF380X.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

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## IEC and ISO Test Methods

| Test Name                      | Test Method     | Units             | Thk (mm) | Value      |
|--------------------------------|-----------------|-------------------|----------|------------|
| Flammability                   | IEC 60695-11-10 | Class (color)     | 1.5      | HB75 (ALL) |
|                                |                 |                   | 3.0      | HB40 (ALL) |
| Glow-Wire Flammability (GWF1)  | IEC 60695-2-12  | C                 | -        | -          |
| Glow-Wire Ignition (GWIT)      | IEC 60695-2-13  | C                 | -        | -          |
| IEC Comparative Tracking Index | IEC 60112       | Volts (Max)       | -        | -          |
| IEC Ball Pressure              | IEC 60695-10-2  | C                 | -        | -          |
| ISO Heat Deflection (1.80 MPa) | ISO 75-2        | C                 | -        | -          |
| ISO Tensile Strength           | ISO 527-2       | MPa               | -        | -          |
| ISO Flexural Strength          | ISO 178         | MPa               | -        | -          |
| ISO Tensile Impact             | ISO 8256        | kJ/m <sup>2</sup> | -        | -          |
| ISO Izod Impact                | ISO 180         | kJ/m <sup>2</sup> | -        | -          |
| ISO Charpy Impact              | ISO 179-2       | kJ/m <sup>2</sup> | -        | -          |