



## Component - Plastics

File Number: E67171

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### TR558A(#)

Acrylonitrile Butadiene Styrene/Methyl Methacrylate (ABS/MMA), 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.

| Flammability                          | Value           | Test Method            |
|---------------------------------------|-----------------|------------------------|
| Flame Rating                          |                 |                        |
| 1.5 mm, ALL                           | HB              | UL 94                  |
| 3.0 mm, ALL                           | HB              | UL 94                  |
| 3.0 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 2           |                        |
| 3.0 mm                                | PLC 3           |                        |
| High Amp Arc Ignition (HAI)           |                 | UL 746                 |
| 1.5 mm                                | PLC 3           |                        |
| 3.0 mm                                | PLC 3           |                        |
| Comparative Tracking Index (CTI)      | PLC 1           | UL 746                 |
| Dielectric Strength                   | 28 kV/mm        | ASTM D149              |
| High Voltage Arc Tracking Rate (HVTR) | PLC 0           | UL 746                 |
| Volume Resistivity                    | 1.0E+16 ohms·cm | ASTM D257<br>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         |                        |
| RTI Imp                               |                 | UL 746                 |
| 1.5 mm                                | 50.0 °C         |                        |
| 3.0 mm                                | 50.0 °C         |                        |
| RTI Str                               |                 | UL 746                 |
| 1.5 mm                                | 50.0 °C         |                        |
| 3.0 mm                                | 50.0 °C         |                        |
| Physical                              | Value           | Test Method            |
| Dimensional Stability                 | 0.0 %           | ASTM D1042<br>ISO 2796 |