



# Component - Plastics

File Number: E67171

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HI121, HI121UNS, HI121R, HI121H-F, HI121HA  
Acrylonitrile Butadiene Styrene (ABS), pellets

| 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 3           |                        |
| 3.0 mm                                | PLC 3           |                        |
| High Amp Arc Ignition (HAI)           |                 | UL 746                 |
| 1.5 mm                                | PLC 0           |                        |
| 3.0 mm                                | PLC 1           |                        |
| Comparative Tracking Index (CTI)      | PLC 0           | UL 746                 |
| Dielectric Strength                   | 27 kV/mm        | ASTM D149              |
| High Voltage Arc Tracking Rate (HVTR) | PLC 2           | UL 746                 |
| Volume Resistivity                    | 1.0E+15 ohms-cm | ASTM D257<br>IEC 60093 |
| Arc Resistance                        | PLC 6           | ASTM D495              |
| Thermal                               | Value           | Test Method            |
| RTI Elec                              |                 | UL 746                 |
| 1.5 mm                                | 95.0 °C         |                        |
| 3.0 mm                                | 100 °C          |                        |
| RTI Imp                               |                 | UL 746                 |
| 1.5 mm                                | 95.0 °C         |                        |
| 3.0 mm                                | 100 °C          |                        |
| RTI Str                               |                 | UL 746                 |
| 1.5 mm                                | 95.0 °C         |                        |
| 3.0 mm                                | 100 °C          |                        |
| Physical                              | Value           | Test Method            |
| Dimensional Stability                 | 0.0 %           | ASTM D1042<br>ISO 2796 |