



# Component - Plastics

File Number: E162823

FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV

201 TUNG HWA N RD

TAIPEI, 105 Taiwan



TAIRILAC: ANC120

Acrylonitrile Butadiene Styrene/Styrene Acrylonitrile, pellets, reinforced

| Flammability                          |          |                      |
|---------------------------------------|----------|----------------------|
|                                       | Value    | Test Method          |
| Flame Rating                          |          | UL 94                |
| 2.3 mm, ALL                           | V-0, 5VB | IEC 60695-11-10, -20 |
| 2.6 mm, ALL                           | V-0      |                      |
| 3.0 mm, ALL                           | V-0, 5VB |                      |
| Glow Wire Flammability Index          |          | IEC 60695-2-12       |
| 2.3 mm                                | 960 °C   |                      |
| 2.6 mm                                | 960 °C   |                      |
| 3.0 mm                                | 960 °C   |                      |
| Glow Wire Ignition Temperature        |          | IEC 60695-2-13       |
| 2.3 mm                                | 700 °C   |                      |
| 2.6 mm                                | 700 °C   |                      |
| 3.0 mm                                | 700 °C   |                      |
| Electrical                            |          |                      |
|                                       | Value    | Test Method          |
| Hot-wire Ignition (HWI)               |          | UL 746               |
| 2.3 mm                                | PLC 3    |                      |
| 2.6 mm                                | PLC 3    |                      |
| 3.0 mm                                | PLC 2    |                      |
| High Amp Arc Ignition (HAI)           |          | UL 746               |
| 2.3 mm                                | PLC 3    |                      |
| 2.6 mm                                | PLC 0    |                      |
| 3.0 mm                                | PLC 0    |                      |
| Comparative Tracking Index (CTI)      | PLC 2    | UL 746               |
| High Voltage Arc Tracking Rate (HVTR) | PLC 2    | UL 746               |
| Arc Resistance                        | PLC 7    | ASTM D495            |
| Thermal                               |          |                      |
|                                       | Value    | Test Method          |
| RTI Elec                              |          | UL 746               |
| 2.3 mm                                | 95.0 °C  |                      |
| 2.6 mm                                | 95.0 °C  |                      |
| 3.0 mm                                | 95.0 °C  |                      |
| RTI Imp                               |          | UL 746               |
| 2.3 mm                                | 65.0 °C  |                      |
| 2.6 mm                                | 65.0 °C  |                      |
| 3.0 mm                                | 65.0 °C  |                      |
| RTI Str                               |          | UL 746               |
| 2.3 mm                                | 65.0 °C  |                      |
| 2.6 mm                                | 65.0 °C  |                      |
| 3.0 mm                                | 65.0 °C  |                      |