



# Component - Plastics

File Number: E121254

## SAMYANG CORPORATION

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TRIEX: 302(x)A, 302(x)W, 302(x)P, 302(x)U, 3022L1, 3025L1, 3022L2, 3025L2, 3022L3, 3025L3, 302XPU, 302XI, 302XPI, 302XIS, 302XPIS, 302(X)R, 302(X)IR, 302XPIR, 302XB, 302XPR, 302XFD, 302XPFD

Polycarbonate (PC), pellets

(x) - Represents any number 1-9 incl.

| Flammability                          | Value           | Test Method            |
|---------------------------------------|-----------------|------------------------|
| Flame Rating                          |                 | UL 94                  |
| 0.50 mm, ALL                          | V-2             | IEC 60695-11-10, -20   |
| 1.5 mm, ALL                           | V-2             |                        |
| 3.0 mm, ALL                           | V-2             |                        |
| 6.0 mm, ALL                           | V-2             |                        |
| Electrical                            | Value           | Test Method            |
| Hot-wire Ignition (HWI)               |                 | UL 746                 |
| 1.5 mm                                | PLC 2           |                        |
| 3.0 mm                                | PLC 2           |                        |
| 6.0 mm                                | PLC 1           |                        |
| 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 2           | UL 746                 |
| Dielectric Strength                   | 31 kV/mm        | ASTM D149              |
| High Voltage Arc Tracking Rate (HVTR) | PLC 2           | UL 746                 |
| Volume Resistivity                    | 1.0E+14 ohms·cm | ASTM D257<br>IEC 60093 |
| Arc Resistance                        | PLC 6           | ASTM D495              |
| Thermal                               | Value           | Test Method            |
| RTI Elec                              |                 | UL 746                 |
| 0.50 mm                               | 80.0 °C         |                        |
| 1.5 mm                                | 125 °C          |                        |
| 3.0 mm                                | 125 °C          |                        |
| 6.0 mm                                | 125 °C          |                        |
| RTI Imp                               |                 | UL 746                 |
| 0.50 mm                               | 80.0 °C         |                        |
| 1.5 mm                                | 115 °C          |                        |
| 3.0 mm                                | 115 °C          |                        |
| 6.0 mm                                | 115 °C          |                        |
| RTI Str                               |                 | UL 746                 |
| 0.50 mm                               | 80.0 °C         |                        |
| 1.5 mm                                | 125 °C          |                        |
| 3.0 mm                                | 125 °C          |                        |
| 6.0 mm                                | 125 °C          |                        |



| Physical              | Value | Test Method            |
|-----------------------|-------|------------------------|
| Dimensional Stability | 0.0 % | ASTM D1042<br>ISO 2796 |