



# Component - Plastics

File Number: E350602

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LA CANONJA, 43110 Spain



## PC/ABS 5120

Polycarbonate (PC)/Acrylonitrile Butadiene Styrene (ABS), pellets

| Flammability                          | Value           | Test Method              |
|---------------------------------------|-----------------|--------------------------|
| Flame Rating                          |                 |                          |
| 1.5 mm, NC                            | HB              | UL 94                    |
| 3.0 mm, NC                            | HB              | UL 94                    |
| 3.0 mm, NC                            | HB40            | IEC 60695-11-10, -20     |
| 1.5 mm, NC                            | HB75            | IEC 60695-11-10, -20     |
| Electrical                            | Value           | Test Method              |
| Hot-wire Ignition (HWI)               |                 | UL 746                   |
| 1.5 mm                                | PLC 4           |                          |
| 3.0 mm                                | PLC 3           |                          |
| High Amp Arc Ignition (HAI)           |                 | UL 746                   |
| 1.5 mm                                | PLC 0           |                          |
| 3.0 mm                                | PLC 0           |                          |
| Comparative Tracking Index (CTI)      | PLC 3           | UL 746                   |
| Dielectric Strength                   | 24 kV/mm        | ASTM D149<br>IEC 60243-1 |
| 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                   |
| 1.5 mm                                | 60.0 °C         |                          |
| 3.0 mm                                | 60.0 °C         |                          |
| RTI Imp                               |                 | UL 746                   |
| 1.5 mm                                | 60.0 °C         |                          |
| 3.0 mm                                | 60.0 °C         |                          |
| RTI Str                               |                 | UL 746                   |
| 1.5 mm                                | 60.0 °C         |                          |
| 3.0 mm                                | 60.0 °C         |                          |
| Physical                              | Value           | Test Method              |
| Dimensional Stability                 | 0.020 %         | ASTM D1042<br>ISO 2796   |