



# Component - Plastics

File Number: E213445

POLYPLASTICS CO LTD

18-1 KONAN 2-CHOME



Duranex: CRN7000(+++)(f2)(h)

Polybutylene Terephthalate (PBT), pellets

(+++)- May be suffixed with one, two, three or four letters.

(f2)- Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

(h)- Virgin and regrind from 26% thru 50% have the same basic material characteristics.

| Flammability                          | Value           | Test Method          |
|---------------------------------------|-----------------|----------------------|
| Flame Rating                          |                 | UL 94                |
| 0.32 mm, ALL                          | V-0             |                      |
| 0.75 mm, ALL                          | V-0             |                      |
| 1.5 mm, ALL                           | V-0             |                      |
| 3.0 mm, ALL                           | V-0             |                      |
| Flammability Classification           |                 | IEC 60695-11-10, -20 |
| 0.32 mm, ALL                          | V-0             |                      |
| 0.75 mm, ALL                          | V-0             |                      |
| 1.5 mm, ALL                           | V-0             |                      |
| 3.0 mm, ALL                           | V-0             |                      |
| Electrical                            | Value           | Test Method          |
| Hot-wire Ignition (HWI)               |                 | UL 746               |
| 0.32 mm                               | PLC 4           |                      |
| 0.75 mm                               | PLC 4           |                      |
| 1.5 mm                                | PLC 3           |                      |
| 3.0 mm                                | PLC 2           |                      |
| High Amp Arc Ignition (HAI)           |                 | UL 746               |
| 0.32 mm                               | PLC 2           |                      |
| 0.75 mm                               | PLC 0           |                      |
| 1.5 mm                                | PLC 0           |                      |
| 3.0 mm                                | PLC 0           |                      |
| Comparative Tracking Index (CTI)      | PLC 2           | UL 746               |
| Dielectric Strength                   | 25 kV/mm        | ASTM D149            |
| High Voltage Arc Tracking Rate (HVTR) | PLC 3           | UL 746               |
| Volume Resistivity                    | 1.0E+16 ohms-cm | ASTM D257            |
| Volume Resistivity                    | 1.0E+16 ohms-cm | IEC 60093            |
| Arc Resistance                        | PLC 6           | ASTM D495            |
| Electric Strength                     | 25 kV/mm        | IEC 60243-1          |
| Thermal                               | Value           | Test Method          |
| RTI Elec                              |                 | UL 746               |
| 0.32 mm                               | 140 °C          |                      |
| 0.75 mm                               | 140 °C          |                      |
| 1.5 mm                                | 140 °C          |                      |
| 3.0 mm                                | 140 °C          |                      |

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| Thermal               | Value  | Test Method |
|-----------------------|--------|-------------|
| RTI Imp               |        | UL 746      |
| 0.32 mm               | 120 °C |             |
| 0.75 mm               | 120 °C |             |
| 1.5 mm                | 120 °C |             |
| 3.0 mm                | 120 °C |             |
| RTI Str               |        | UL 746      |
| 0.32 mm               | 130 °C |             |
| 0.75 mm               | 130 °C |             |
| 1.5 mm                | 130 °C |             |
| 3.0 mm                | 130 °C |             |
| Physical              | Value  | Test Method |
| Dimensional Stability | 0.0 %  | ASTM D1042  |
| Dimensional Stability | 0.0 %  | ISO 2796    |
| Outdoor Suitability   | f2     | UL 746C     |

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