



# Component - Plastics

File Number: E213445

## POLYPLASTICS CO LTD

18-1 KONAN 2-CHOME  
MINATO-KU, TOKYO 108-8280 Japan



### Duranex: 2000(g)

Polybutylene Terephthalate (PBT), pellets

(g) - Grade designation may be followed by suffix -2.

| Flammability                          | Value           | Test Method          |
|---------------------------------------|-----------------|----------------------|
| Flame Rating                          |                 | UL 94                |
| 0.71 mm, ALL                          | HB              |                      |
| 1.5 mm, ALL                           | HB              |                      |
| 3.0 mm, ALL                           | HB              |                      |
| Flammability Classification           |                 | IEC 60695-11-10, -20 |
| 3.0 mm, ALL                           | HB40            |                      |
| 0.71 mm, ALL                          | HB75            |                      |
| 1.5 mm, ALL                           | HB75            |                      |
| Electrical                            | Value           | Test Method          |
| Hot-wire Ignition (HWI)               |                 | UL 746A              |
| 0.71 mm                               | PLC 4           |                      |
| 1.5 mm                                | PLC 3           |                      |
| 3.0 mm                                | PLC 3           |                      |
| High Amp Arc Ignition (HAI)           |                 | UL 746A              |
| 0.71 mm                               | PLC 0           |                      |
| 1.5 mm                                | PLC 0           |                      |
| 3.0 mm                                | PLC 0           |                      |
| Comparative Tracking Index (CTI)      | PLC 0           | UL 746A              |
| Dielectric Strength                   | 30 kV/mm        | ASTM D149            |
| High Voltage Arc Tracking Rate (HVTR) | PLC 1           | UL 746A              |
| Volume Resistivity                    | 1.0E+14 ohms-cm | ASTM D257            |
| Volume Resistivity                    | 1.0E+14 ohms-cm | IEC 60093            |
| Arc Resistance                        | PLC 5           | ASTM D495            |
| Thermal                               | Value           | Test Method          |
| RTI Elec                              |                 | UL 746B              |
| 0.71 mm                               | 130 °C          |                      |
| 1.5 mm                                | 130 °C          |                      |
| 3.0 mm                                | 130 °C          |                      |
| RTI Imp                               |                 | UL 746B              |
| 1.5 mm                                | 120 °C          |                      |
| 3.0 mm                                | 120 °C          |                      |
| RTI Str                               |                 | UL 746B              |
| 1.5 mm                                | 130 °C          |                      |
| 3.0 mm                                | 130 °C          |                      |
| Physical                              | Value           | Test Method          |
| Dimensional Change                    | 0.0 %           | ASTM D1042           |
| Dimensional Change                    | 0.0 %           | ISO 2796             |

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