



Component - Plastics

File Number: E213445

WINTECH POLYMER LTD

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



Duranex: CN7030(a2)(f2)(h1)

Polybutylene Terephthalate (PBT), pellets, glass reinforced

(a2) - May be suffixed with one or two letters except XX or MF.

(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.

(h1) - Virgin and regrind from 26% thru 50% have the same basic material characteristics with the exception of the 5VA flammability rating.

| Flammability | Value | Test Method |
|---------------------------------------|-----------------|----------------------|
| Flame Rating | | UL 94 |
| 0.66 mm, ALL | V-0 | |
| 0.8 mm, ALL | V-0 | |
| 1.0 mm, ALL | V-0 | |
| 1.5 mm, ALL | V-0 | |
| 3.0 mm, ALL | V-0, 5VA | |
| Flammability Classification | | IEC 60695-11-10, -20 |
| 0.66 mm, ALL | V-0 | |
| 0.8 mm, ALL | V-0 | |
| 1.0 mm, ALL | V-0 | |
| 1.5 mm, ALL | V-0 | |
| 3.0 mm, ALL | V-0, 5VA | |
| Glow Wire Ignition Temperature | | IEC 60695-2-13 |
| 1.0 mm | 700 °C | |
| 1.5 mm | 700 °C | |
| 3.0 mm | 675 °C | |
| Electrical | Value | Test Method |
| Hot-wire Ignition (HWI) | | UL 746 |
| 0.66 mm | PLC 3 | |
| 0.8 mm | PLC 3 | |
| 1.0 mm | PLC 3 | |
| 1.5 mm | PLC 2 | |
| 3.0 mm | PLC 1 | |
| High Amp Arc Ignition (HAI) | | UL 746 |
| 0.66 mm | PLC 0 | |
| 0.8 mm | PLC 0 | |
| 1.0 mm | PLC 0 | |
| 1.5 mm | PLC 0 | |
| 3.0 mm | PLC 0 | |
| Comparative Tracking Index (CTI) | PLC 3 | UL 746 |
| Dielectric Strength | 25 kV/mm | ASTM D149 |
| High Voltage Arc Tracking Rate (HVTR) | PLC 0 | 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 |

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| Thermal | Value | Test Method |
|-----------------------|--------|-------------|
| RTI Elec | | UL 746 |
| 0.66 mm | 130 °C | |
| 0.8 mm | 130 °C | |
| 1.0 mm | 130 °C | |
| 1.5 mm | 130 °C | |
| 3.0 mm | 130 °C | |
| RTI Imp | | UL 746 |
| 0.66 mm | 125 °C | |
| 0.8 mm | 125 °C | |
| 1.0 mm | 125 °C | |
| 1.5 mm | 125 °C | |
| 3.0 mm | 130 °C | |
| RTI Str | | UL 746 |
| 0.66 mm | 140 °C | |
| 0.8 mm | 140 °C | |
| 1.0 mm | 140 °C | |
| 1.5 mm | 140 °C | |
| 3.0 mm | 140 °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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