



Component - Plastics

File Number: E213445

POLYPLASTICS CO LTD

18-1 KONAN 2-CHOME



Duranex: 3300(g)(f1)(e)

Polybutylene Terephthalate (PBT), pellets

- (e) - Virgin and regrind up to 50 by weight incl. have the same basic material characteristics above a minimum thickness of 0.75 mm
- (f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
- (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	
6.0 mm, ALL	HB	
Flammability Classification		IEC 60695-11-10, -20
3.0 mm, ALL	HB40	
6.0 mm, ALL	HB40	
0.71 mm, ALL	HB75	
1.5 mm, ALL	HB75	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.71 mm	PLC 2	
1.5 mm	PLC 1	
3.0 mm	PLC 1	
6.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.71 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 1	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 1	UL 746
Dielectric Strength	44 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257
Volume Resistivity	1.0E+15 ohms·cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495
Electric Strength	44 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.71 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
6.0 mm	130 °C	

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 large scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of product devices and appliances, where the acceptability of the combination is determined by UL.



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Thermal	Value	Test Method
RTI Imp		UL 746
1.5 mm	130 °C	
3.0 mm	130 °C	
6.0 mm	130 °C	
RTI Str		UL 746
1.5 mm	140 °C	
3.0 mm	140 °C	
6.0 mm	140 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796
Outdoor Suitability	f1	UL 746C

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