



# Component - Plastics

File Number: E213445

## POLYPLASTICS CO LTD

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



### 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 746A
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 746A
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 746A
Dielectric Strength	44 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746A
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257
Volume Resistivity	1.0E+15 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	
6.0 mm	130 °C	

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

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