



Component - Plastics

File Number: E213445

POLYPLASTICS CO LTD

18-1 KONAN 2-CHOME



Duranex: XFR 4840 GF10 (w)(f1), 310NF (w)(f1)

Polybutylene Terephthalate (PBT), pellets

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

(w) - Virgin and regrind up to 50% by weight inclusive, have the same flame characteristics only.

Flammability	Value	Test Method
Flame Rating		UL 94
0.75 mm, BK	V-0	
1.5 mm, BK	V-0	
3.0 mm, BK	V-0, 5VA	
Flammability Classification		IEC 60695-11-10, -20
0.75 mm, BK	V-0	
1.5 mm, BK	V-0	
3.0 mm, BK	V-0, 5VA	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.75 mm	PLC 1	
1.5 mm	PLC 1	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 1	UL 746
Dielectric Strength	24 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Volume Resistivity	1.0E+14 ohms-cm	ASTM D257
Volume Resistivity	1.0E+14 ohms-cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495
Electric Strength	24 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
RTI Imp		UL 746
0.75 mm	125 °C	
1.5 mm	125 °C	
3.0 mm	125 °C	
RTI Str		UL 746
0.75 mm	125 °C	
1.5 mm	125 °C	
3.0 mm	125 °C	





Physical	Value	Test Method
Outdoor Suitability	f1	UL 746C

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