



POLYPLASTICS CO LTD
18-1 KONAN 2-CHOME



Duranex: XFR 6840 GF30, 330NF
Polybutylene Terephthalate (PBT), pellets

Flammability	Value	Test Method
Flame Rating		UL 94
0.40 mm, ALL	V-0	
0.75 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	5VA	
Flammability Classification		IEC 60695-11-10, -20
0.40 mm, ALL	V-0	
0.75 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	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 0	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
0.40 mm	75.0 °C	
0.75 mm	125 °C	
1.5 mm	125 °C	
3.0 mm	125 °C	
RTI Imp		UL 746
0.40 mm	75.0 °C	
0.75 mm	140 °C	
1.5 mm	140 °C	
3.0 mm	140 °C	



Thermal	Value	Test Method
RTI Str		UL 746
0.40 mm	75.0 °C	
0.75 mm	140 °C	
1.5 mm	140 °C	
3.0 mm	140 °C	

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