



Component - Plastics

File Number: E213445

POLYPLASTICS CO LTD

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MINATO-KU, TOKYO 108-8280 Japan



Duranex: CRN7020GP(h3)(f2)

Polybutylene Terephthalate (PBT), pellets, glass reinforced

(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.

(h3) - Virgin and regrind from 26% thru 50% have the same basic material characteristics at 0.32 mm thickness or greater

Flammability	Value	Test Method
Flame Rating		UL 94
0.25 mm, BK	V-0	
0.32 mm, ALL	V-0	
0.75 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.25 mm, BK	V-0	
0.32 mm, ALL	V-0	
0.75 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.25 mm	PLC 4	
0.32 mm	PLC 4	
0.75 mm	PLC 4	
1.5 mm	PLC 3	
3.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
0.25 mm	PLC 3	
0.32 mm	PLC 3	
0.75 mm	PLC 2	
1.5 mm	PLC 2	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746A
Dielectric Strength	24 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746A
Volume Resistivity	1.0E+11 ohms·cm	ASTM D257
Volume Resistivity	1.0E+11 ohms·cm	IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
0.25 mm	75.0 °C	
0.32 mm	140 °C	
0.75 mm	140 °C	
1.5 mm	140 °C	
3.0 mm	140 °C	

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Thermal	Value	Test Method
RTI Imp		UL 746B
0.25 mm	75.0 °C	
0.32 mm	120 °C	
0.75 mm	120 °C	
1.5 mm	120 °C	
3.0 mm	120 °C	
RTI Str		UL 746B
0.25 mm	75.0 °C	
0.32 mm	130 °C	
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
Physical	Value	Test Method
Dimensional Change	0.0 %	ASTM D1042
Dimensional Change	0.0 %	ISO 2796
Outdoor Suitability	f2	UL 746C

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