Component - Plastics

File Number: E213445

WINTECH POLYMER LTD

18-1 KONAN 2-CHOME, MINATO-KU TOKYO 108-8280 JP

Duranex: CN7030(a2)(f2)(h1)

Polybutylene Terephthalate (PBT), pellets, glass reinforced

(a2) - May be suffixed with one or two letters except XX or MF.
(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.
(h1) - Virgin and regrind from 26% thru 50% have the same basic material characteristics with the exception of the 5VA flammability rating.

Flammability	Value	Test Method
Flame Rating		UL 94
0.66 mm, ALL	V-0	
0.8 mm, ALL	V-0	
1.0 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0, 5VA	
Flammability Classification		IEC 60695-11-10, -20
0.66 mm, ALL	V-0	
0.8 mm, ALL	V-0	
1.0 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0, 5VA	
Glow Wire Ignition Temperature		IEC 60695-2-13
1.0 mm	700 °C	
1.5 mm	700 °C	
3.0 mm	675 °C	
Electrical	**Value**	**Test Method**
Hot-wire Ignition (HWI)		UL 746
0.66 mm	PLC 3	
0.8 mm	PLC 3	
1.0 mm	PLC 3	
1.5 mm	PLC 2	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.66 mm	PLC 0	
0.8 mm	PLC 0	
1.0 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	UL 746
Dielectric Strength	25 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Volume Resistivity	1.0E+16 ohms·cm	ASTM D257
Volume Resistivity	1.0E+16 ohms·cm	IEC 60093
Arc Resistance	PLC 6	ASTM D495
Electric Strength	25 kV/mm	IEC 60243-1

Form Number: E213445-229053

Report Date: 12/10/2000
Last Revised: 2015-02-06

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Thermal	Value	Test Method
RTI Elec		UL 746
0.66 mm	130 °C	
0.8 mm	130 °C	
1.0 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
RTI Imp		UL 746
0.66 mm	125 °C	
0.8 mm	125 °C	
1.0 mm	125 °C	
1.5 mm	125 °C	
3.0 mm	130 °C	
RTI Str		UL 746
0.66 mm	140 °C	
0.8 mm	140 °C	
1.0 mm	140 °C	
1.5 mm	140 °C	
3.0 mm	140 °C	
Physical	**Value**	**Test Method**
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796
Outdoor Suitability	f2	UL 746C

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