PROSPECTOR[®] View additional material information

including performance and processing data.

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The information presented on the UL Prospector datasheet was acquired by UL Prospector from the producer of the material. UL Prospector makes substantial efforts to assure the accuracy of this data. However, UL Prospector assumes no responsibility for the data values and strongly encourages that

	upon inai ma	aterial selection, data	points are validated	with the material	supplier.		
Component - Plastics [guide info]							E115797
LOTTE ADVANCED MATERIALS CO LTD							
56 Gosan-ro, Uiwang-si Gyeonggi-do 437-711 KR							
HN-3204(+)(M)(f1)							
Polycarbonate (PC), glass reinforced "INFINO", furnished as pellets							
A PLASTER	Min Thk	Flame			RTI	RTI	RTI
Color	(mm)	Class	HWI	HAI	Elec	Imp 🤇	Str
ALL	1.5	V-0	1	1	80	80	80
	2.5	5VA	1	1	80	80	80
	3.0	V-0	1	1	80	80	80
Comparative Tracking Index (CTI): 3 Inclined Plane Tracking (IPT): -							
Dielectric Strength (kV/mm): 27 Volume Resistivity (10 ^x ohm-cm): ¹⁵							
High-Voltage Arc Tracking Rate (HVTR): 4 High Volt, Low Current Arc Resis (D495): 7							
Dimen	sional Stability (%): -					1
	have a second second second		H = = (=)				0
(+) - May be replaced (M) - IEC CTI Solution	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	e numbers and/or let	tter(s)				
(M) - IEC CTI Solution B: CTI 125M (f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.							
ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is							
intended solely for determ		ty of plastic material the acceptability of t				duct devices and	appliances,
Report Date: 2011-09-08	_ @ [*]	S S S S S S S S S S S S S S S S S S S					20
Last Revised: 2012-03-05							
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IEC and ISO Test Metho	ds	©	2017 UL LLC			- 6) "	SU us
IEC and ISO Test Metho Test Name		© st Method	2017 UL LLC		Units	Thk (mm)	Yalue
	Те		J.	Cla	Units ss (color)	Thk (mm) 1.5	Value V-0 (ALL)
Test Name	Те	st Method	J.	Cla	280	Thk (mm) 1.5 2.5	Value V-0 (ALL) 5VA (ALL)
Test Name	Te	st Method	J.	Cla	280	Thk (mm) 1.5	Value V-0 (ALL)
Test Name Flammability	Te	st Method C 60695-11-10, IEC	J.	Cla	ss (color)	Thk (mm) 1.5 2.5 3.0	Value V-0 (ALL) 5VA (ALL) V-0 (ALL)
Test Name Flammability	Te IE VFI) IE	st Method C 60695-11-10, IEC	J.	Cla	ss (color)	Thk (mm) 1.5 2.5 3.0 1.5 3.0 1.5	Value V-0 (ALL) 5VA (ALL) V-0 (ALL) 960 960 825
Test Name Flammability Glow-Wire Flammability (GW Glow-Wire Ignition (GWIT)	VFI)	st Method C 60695-11-10, IEC C 60695-2-12 C 60695-2-13	J.	President Com	ss (color) °C °C	Thk (mm) 1.5 2.5 3.0 1.5 3.0	Value V-0 (ALL) 5VA (ALL) V-0 (ALL) 960 960 825 850
Test Name Flammability Glow-Wire Flammability (GW	VFI)	st Method C 60695-11-10, IEC C 60695-2-12	J.	Vo	ss (color) °C °C Its (Max)	Thk (mm) 1.5 2.5 3.0 1.5 3.0 1.5	Value V-0 (ALL) 5VA (ALL) V-0 (ALL) 960 960 825 850 CTI175
Test Name Flammability Glow-Wire Flammability (GW Glow-Wire Ignition (GWIT) IEC Comparative Tracking Ir	VFI) IE Index IE	st Method C 60695-11-10, IEC C 60695-2-12 C 60695-2-13 C 60112	J.	Vo	ss (color) °C °C Its (Max) erial Group	Thk (mm) 1.5 2.5 3.0 1.5 3.0 1.5	Value V-0 (ALL) 5VA (ALL) V-0 (ALL) 960 960 825 850
Test Name Flammability Glow-Wire Flammability (GW Glow-Wire Ignition (GWIT)	VFI) IE Idex IE	st Method C 60695-11-10, IEC C 60695-2-12 C 60695-2-13	J.	Vo	ss (color) °C °C Its (Max)	Thk (mm) 1.5 2.5 3.0 1.5 3.0 1.5	Value V-0 (ALL) 5VA (ALL) V-0 (ALL) 960 960 825 850 CTI175
Test Name Flammability Glow-Wire Flammability (GW Glow-Wire Ignition (GWIT) IEC Comparative Tracking Ir IEC Ball Pressure ISO Heat Deflection (1.80 Mi ISO Tensile Strength	VFI) IE ndex IE Pa) IS	st Method C 60695-11-10, IEC C 60695-2-12 C 60695-2-13 C 60112 C 60695-10-2 O 75-2 O 527-2	J.	Vo	ss (color) °C °C Its (Max) erial Group °C °C MPa	Thk (mm) 1.5 2.5 3.0 1.5 3.0 1.5	Value V-0 (ALL) 5VA (ALL) V-0 (ALL) 960 960 825 850 CTI175
Test Name Flammability Glow-Wire Flammability (GW Glow-Wire Ignition (GWIT) IEC Comparative Tracking In IEC Ball Pressure ISO Heat Deflection (1.80 M ISO Tensile Strength ISO Flexural Strength	VFI) IE Index IE Pa) IS IS	st Method C 60695-11-10, IEC C 60695-2-12 C 60695-2-13 C 60112 C 60695-10-2 O 75-2 O 527-2 O 178	J.	Vo Mate	°C °C Its (Max) erial Group °C °C MPa MPa	Thk (mm) 1.5 2.5 3.0 1.5 3.0 1.5	Value V-0 (ALL) 5VA (ALL) V-0 (ALL) 960 960 825 850 CTI175
Test Name Flammability Glow-Wire Flammability (GW Glow-Wire Ignition (GWIT) IEC Comparative Tracking Ir IEC Ball Pressure ISO Heat Deflection (1.80 MI ISO Tensile Strength ISO Flexural Strength ISO Tensile Impact	VFI) IE Index IE Pa) IS IS	st Method C 60695-11-10, IEC C 60695-2-12 C 60695-2-13 C 60112 C 60695-10-2 O 75-2 O 527-2 O 178 O 8256	J.	Vo Mate	ss (color) °C °C Its (Max) erial Group °C °C °C MPa MPa kJ/m ²	Thk (mm) 1.5 2.5 3.0 1.5 3.0 1.5	Value V-0 (ALL) 5VA (ALL) V-0 (ALL) 960 960 825 850 CTI175
Test Name Flammability Glow-Wire Flammability (GW Glow-Wire Ignition (GWIT) IEC Comparative Tracking Ir IEC Ball Pressure ISO Heat Deflection (1.80 Mi ISO Tensile Strength ISO Flexural Strength ISO Tensile Impact ISO Izod Impact	VFI) IE ndex IE Pa) IS IS IS	st Method C 60695-11-10, IEC C 60695-2-12 C 60695-2-13 C 60112 C 60695-10-2 O 75-2 O 527-2 O 178 O 8256 O 180	J.	Vo Mate	ss (color) °C °C Its (Max) erial Group °C °C MPa MPa kJ/m ² kJ/m ²	Thk (mm) 1.5 2.5 3.0 1.5 3.0 1.5	Value V-0 (ALL) 5VA (ALL) V-0 (ALL) 960 960 825 850 CTI175
Test Name Flammability Glow-Wire Flammability (GW Glow-Wire Ignition (GWIT) IEC Comparative Tracking Ir IEC Ball Pressure ISO Heat Deflection (1.80 MI ISO Tensile Strength ISO Flexural Strength ISO Tensile Impact	VFI) IE ndex IE Pa) IS IS IS	st Method C 60695-11-10, IEC C 60695-2-12 C 60695-2-13 C 60112 C 60695-10-2 O 75-2 O 527-2 O 178 O 8256	J.	Vo Mate	ss (color) °C °C Its (Max) erial Group °C °C °C MPa MPa kJ/m ²	Thk (mm) 1.5 2.5 3.0 1.5 3.0 1.5	Value V-0 (ALL) 5VA (ALL) V-0 (ALL) 960 960 825 850 CTI175