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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 final material selection, data points are validated with the material supplier.

E146413

Component - Plastics

Guide Information

Kotec Corp

3-21-15 CHAYAMADAI, MINAMI-KU, SAKAI-SHI OSAKA 590-0115 JP

KG-30MRA(f1)

Polycarbonate (PC) "Carbotex, Kotex", furnished as pellets

<u>Color</u>	<u>Min. Thk</u> <u>(mm)</u>	<u>Flame</u> <u>Class</u>	<u>HWI</u>	HAI	<u>RTI</u> <u>Elec</u>	<u>RTI</u> Imp	<u>RTI</u> <u>Str</u>
BK	1.5	V-2	0	4	80	80	80
	3.0	V-0	0	0	80	80	80
Compa	rative Tracking Index (CTI):	4	Inclined	l Plane Trackir	ıg (IPT) kV: -		
ſ	Dielectric Strength (kV/mm):	-	Volume	Resistivity (10	^x ohm-cm): -		
High-Voltage	Arc Tracking Rate (HVTR):	4	High Volt, Low C	Current Arc Re	sis (D495): -		
	Dimensional Stability (%):	-					

(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 determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

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Report Date: 1994-09-01 Last Revised: 2005-01-27

IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	1.5	V-2 (BK)
			3.0	V-0 (BK)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-2	kJ/m ²	-	-

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E146413

Component - Plastics

Guide Information

Kotec Corp

3-21-15 CHAYAMADAI, MINAMI-KU, SAKAI-SHI OSAKA 590-0115 JP

KG-30MRA(f2)

Polycarbonate (PC) "Carbotex, Kotex", furnished as pellets

<u>Color</u> ALL	<u>Min. Thk</u> <u>(mm)</u> 1.5 3.0	<u>Flame</u> <u>Class</u> V-2 V-0	<u>HWI</u> 0 0	<u>HAI</u> 4 0	<u>RTI</u> <u>Elec</u> 80 80	<u>RTI</u> <u>Imp</u> 80 80	<u>RTI</u> <u>Str</u> 80 80
	Darative Tracking Index (CTI) Dielectric Strength (kV/mm) ge Arc Tracking Rate (HVTR) Dimensional Stability (%)	: - : 4		Plane Trackin Resistivity (10 Current Arc Re	^x ohm-cm): -		

(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.

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IEC and ISO Test Methods			

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	1.5	V-2 (ALL)
			3.0	V-0 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-2	kJ/m ²	-	-