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Component - Plastics

E50075

TEIJIN CHEMICALS LTD

KASUMIGASEKI COMMON GATE WEST TOWER, 2-1, KASUMIGASEKI 3-CHOME, CHIYODA-KU
TOKYO 100-8585 JP

L-1225(###)(f2)

Polycarbonate (PC), "Panlite", furnished as pellets, powder

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.40	V-2	4	3	80	80	80
	0.75	V-2	3	1	80	80	80
	1.5	V-2	3	1	125	115	125
	1.9	HB	3	1	125	115	125
	3.0	HB	2	1	125	115	125
	6.0	HB	1	1	125	115	125

Comparative Tracking Index (CTI): 2

Inclined Plane Tracking (IPT): -

Dielectric Strength (kV/mm): 30

Volume Resistivity (10^x ohm-cm) : 16

High-Voltage Arc Tracking Rate (HVTR): 4

High Volt, Low Current Arc Resis (D495): 5

Dimensional Stability (%): 0

(###) - May be suffixed with one or two letters except LL, LM, LS, ZL, JM, ZE or LD, or for single letter U, V or Z or the letters U, V or Z followed by another letter.

(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.

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.

Report Date: 1989-02-10

Last Revised: 2007-03-15

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IEC and ISO Test Methods

Test Name	Test Method	Units	Thickness Tested (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.40	V-2 (ALL)
			0.75	V-2 (ALL)
			1.5	V-2 (ALL)
			1.9	HB75 (ALL)
			3.0	HB40 (ALL)
			6.0	HB40 (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	-	-

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The materials covered in this database are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. THE FINAL ACCEPTANCE OF THE COMPONENT IS DEPENDENT UPON ITS INSTALLATION AND USE IN COMPLETE PRODUCTS SUBMITTED TO UNDERWRITERS LABORATORIES.

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