## PROSPECTOR'

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View additional material information including performance and processing data

The information presented on the UL Prospector datasheet was acquired by UL Prospector from the producer of the material. UL rospector 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.

Component - Plastics

Guide Information

## TEIJIN POLYCARBONATE CHINA LTD

Zhapu Development Rd, 888 Yashan W Rd, Jiaxing Zhejiang 314201 CN

## 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
(A) (A) (A)	0.75	V-2	3	1	80	80	80
of City Branchise	1.5	V-2	3	1	125	115	125
AN FOLLOW	1.9	HB	3	1 🔊	125	115	125
	3.0	НВ	2	1	125	115	125
	6.0	HB	1	1	125	115	125

Comparative Tracking Index (CTI): 2

Dielectric Strength (kV/mm): 30

High-Voltage Arc Tracking Rate (HVTR): 4

Dimensional Stability (%): 0

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10x ohm-cm): 16

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

(###) - 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.

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E245526

IEC and ISO Test Methods		- 1	(A)	
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.40	V-2 (ALL)
	Tall inter	CALIFER HILL	0.75	V-2 (ALL)
K 1. Ou.	A Christian	West College	1.5	V-2 (ALL)
	Mary to	A Mile Street	1.9	HB75 (ALL)
		( 1 th	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)	-	2
IEC Ball Pressure	IEC 60695-10-2	°C	♠ •	=
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	500 -	*
ISO Tensile Strength	ISO 527-2	MPa	000 -	
ISO Flexural Strength	ISO 178	MPa	-	· (11)
ISO Tensile Impact	ISO 8256	kJ/m <sup>2</sup>	-	of the co
ISO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	ALTER CONT.
ISO Charpy Impact	ISO 179-2	kJ/m <sup>2</sup>	-	A. 195.