PROSPECTOR*

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The information presented on the UL Prospector datasheet was acquired by UL Prospector from the producer of the material. UL ospector makes substantial efforts to assure the accuracy of this data. However, UL Prospector assumes no responsibility for this data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

Component - Plastics

Guide Information

E245526

TEIJIN POLYCARBONATE CHINA LTD

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

L-1250(##)(f2)(r2)

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

Color	Min. Thk (mm)	<u>Flame</u> <u>Class</u>	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.40	V-2	4	3	80	80	80
	0.84	V-2	4	3	80	80	80
4 (4) p	O ^W 1.5	HB	4	0	125	115	125
" Mybride	3.0	HB	1	0	125	115	125
	6.0	HB	1	0	125	115	125

Comparative Tracking Index (CTI): 2

Dielectric Strength (kV/mm): 24

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 for a 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.
- (r2) Virgin and regrind up to 100% by weight inclusive have the same flammability characteristics only in the range of 1.5mm to 3.0mm; no other properties for regrind 26 to 100% by weight inclusive have been determined; Regrind in the range of 26 to 100% are to have a 80C generic RTI.

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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IEC and ISO Test Methods	A11300	(A)	7.40	
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.40	V-2 (ALL)
Alle Child	(Chippe Chippe	A Comment	0.84	V-2 (ALL)
	MET CHE	My Sto.	1.5	HB75 (ALL)
			3.0	HB40 (ALL)
			6.0	HB40 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	. 0	
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	A .	
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	·(6)	
ISO Tensile Strength	ISO 527-2	MPa	2 JQ _	-
ISO Flexural Strength	ISO 178	MPa	· ·	- A15
ISO Tensile Impact	ISO 8256	kJ/m ²	_	- 47 (BA)
ISO Izod Impact	ISO 180	kJ/m ²	-	MET CHE
ISO Charpy Impact	ISO 179-2	kJ/m ²	-	A 1911 - 5111