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Component - Plastics

E195100

**TEIJIN POLYCARBONATE SINGAPORE PTE LTD**

#01-01, 111 SAKRA AVE, SINGAPORE 627881 SG

**L-1250#(f2), L-1250U#, L-1250V#, L-1250Z#(f1)****Polycarbonate (PC), "Panlite", furnished as pellets, powder**

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
<b>ALL</b>	<b>0.40</b>	<b>V-2</b>	<b>4</b>	<b>3</b>	<b>80</b>	<b>80</b>	<b>80</b>
	<b>0.84</b>	<b>V-2</b>	<b>4</b>	<b>3</b>	<b>80</b>	<b>80</b>	<b>80</b>
	<b>1.5</b>	<b>HB</b>	<b>4</b>	<b>0</b>	<b>125</b>	<b>115</b>	<b>125</b>
	<b>3.0</b>	<b>HB</b>	<b>1</b>	<b>0</b>	<b>125</b>	<b>115</b>	<b>125</b>
	<b>6.0</b>	<b>HB</b>	<b>1</b>	<b>0</b>	<b>125</b>	<b>115</b>	<b>125</b>

Comparative Tracking Index (CTI): **2**Dimensional Stability (%): **0**High-Voltage Arc Tracking Rate  
(HVT): **4**High Volt, Low Current Arc Resis (D495): **5**Dielectric Strength (kV/mm): **24**Volume Resistivity (10<sup>9</sup> ohm-cm) : **16**

# - Material designation may be suffixed with any one or two letters.

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

(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: 1999-07-29

Last Revised: 2003-10-24

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**IEC and ISO Test Methods**

Test Name	Test Method	Units	Thickness Tested (mm)	Value
<b>Flammability</b>	<b>IEC 60695-11-10</b>	<b>Class (color)</b>	<b>0.40</b>	<b>V-2 (ALL)</b>
			<b>0.84</b>	<b>V-2 (ALL)</b>
			<b>1.5</b>	<b>HB75 (ALL)</b>
			<b>3.0</b>	<b>HB40 (ALL)</b>
			<b>6.0</b>	<b>HB40 (ALL)</b>
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 <sup>2</sup>	-	-
ISO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
ISO Charpy Impact	ISO 179-2	kJ/m <sup>2</sup>	-	-

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