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Component - Plastics

Guide Information

TEIJIN LIMITED RESIN AND PLASTIC

ENVIRONMENT QUALITY ASSURANCE DEPT, DIV 1, KASUMIGASEKI COMMON GATE, WEST TOWER, 2-1, KASUMIGASEKI 3-CHOME, CHIYODA-KU TOKYO 100-8585 JP

LV-2225ZS(#)(f1)

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

	<u>Min. Thk</u>	<u>Flame</u>			<u>RTI</u>	<u>RTI</u>	<u>RTI</u>
<u>Color</u>	<u>(mm)</u>	<u>Class</u>	<u>HWI</u>	<u>HAI</u>	<u>Elec</u>	<u>lmp</u>	<u>Str</u>
ALL	0.40	V-2	4	3	80	80	80
	0.75	V-2	3	0	125	115	125
	1.5	V-2	3	1	125	115	125
	3.0	V-2	2	1	125	115	125
	6.0	V-2	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 (10^x ohm-cm): 16

Surface Resistivity (10^x ohms/square): -High Volt, Low Current Arc Resis (D495): 5

(#) - Suffix optional

(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.

Report Date: 2011-10-19 Last Revised: 2017-05-22

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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.40	V-2 (ALL)
			0.75	V-2 (ALL)
			1.5	V-2 (ALL)
			3.0	V-2 (ALL)
			6.0	V-2 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
EC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
EC Ball Pressure	IEC 60695-10-2	°C	-	-
SO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
SO Tensile Strength	ISO 527-2	MPa	-	-
SO Flexural Strength	ISO 178	MPa	-	-
SO Tensile Impact	ISO 8256	kJ/m ²	-	-
SO Izod Impact	ISO 180	kJ/m ²	-	-
SO Charpy Impact	ISO 179-1	kJ/m ²	-	-