Component - Plastics

File Number: E50075

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

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

Polycarbonate (PC), pellets, powder

(##) - May be suffixed with one or two letters except for a single letter U, V, Z or YB or the letters U, V, Z or YB 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.

Flammability	Value	Test Method
Flame Rating		UL 94
1.5 mm, ALL	HB	
3.0 mm, ALL	HB	
6.0 mm, ALL	HB	
0.40 mm, ALL	V-2	
0.75 mm, ALL	V-2	
0.8 mm, ALL	V-2	
Flammability Classification		IEC 60695-11-10, -20
3.0 mm, ALL	HB40	
6.0 mm, ALL	HB40	
1.5 mm, ALL	HB75	
0.40 mm, ALL	V-2	
0.75 mm, ALL	V-2	
0.8 mm, ALL	V-2	
Electrical	**Value**	**Test Method**
Hot-wire Ignition (HWI)		UL 746
0.40 mm	PLC 4	
0.75 mm	PLC 4	
0.8 mm	PLC 4	
1.5 mm	PLC 4	
3.0 mm	PLC 1	
6.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.40 mm	PLC 3	
0.75 mm	PLC 3	
0.8 mm	PLC 3	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746
Dielectric Strength	24 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746
Volume Resistivity	1.0E+16 ohms·cm	ASTM D257
Volume Resistivity	1.0E+16 ohms·cm	IEC 60093

Form Number: E50075-241800

Report Date: 1990-09-24
Last Revised: 2017-05-22

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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Electrical	Value	Test Method
Arc Resistance	PLC 5	ASTM D495
Electric Strength	24 kV/mm	IEC 60243-1
Thermal	**Value**	**Test Method**
RTI Elec		UL 746
0.40 mm	80.0 °C	
0.75 mm	125 °C	
0.8 mm	125 °C	
1.5 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
RTI Imp		UL 746
0.40 mm	80.0 °C	
0.75 mm	115 °C	
0.8 mm	115 °C	
1.5 mm	115 °C	
3.0 mm	115 °C	
6.0 mm	115 °C	
RTI Str		UL 746
0.40 mm	80.0 °C	
0.75 mm	125 °C	
0.8 mm	125 °C	
1.5 mm	125 °C	
3.0 mm	125 °C	
6.0 mm	125 °C	
Physical	**Value**	**Test Method**
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796
Outdoor Suitability	f2	UL 746C

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