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-1225(###)(f2)

Polycarbonate (PC), pellets, powder

(###) - 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.

Flammability	Value	Test Method
Flame Rating		
1.90 mm, ALL	HB	UL 94
3.00 mm, ALL	HB	UL 94
6.00 mm, ALL	HB	UL 94
0.400 mm, ALL	V-2	UL 94 IEC 60695-11-10, -20
0.750 mm, ALL	V-2	UL 94 IEC 60695-11-10, -20
1.50 mm, ALL	V-2	UL 94 IEC 60695-11-10, -20
3.00 mm, ALL	HB40	IEC 60695-11-10, -20
6.00 mm, ALL	HB40	IEC 60695-11-10, -20
1.90 mm, ALL	HB75	IEC 60695-11-10, -20
Electrical	**Value**	**Test Method**
Hot-wire Ignition (HWI)		UL 746
0.400 mm	PLC 4	
0.750 mm	PLC 3	
1.50 mm	PLC 3	
1.90 mm	PLC 3	
3.00 mm	PLC 2	
6.00 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.400 mm	PLC 3	
0.750 mm	PLC 1	
1.50 mm	PLC 1	
1.90 mm	PLC 1	
3.00 mm	PLC 1	
6.00 mm	PLC 1	
Comparative Tracking Index (CTI)	PLC 2	UL 746
Dielectric Strength	30 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 4	UL 746
Volume Resistivity	1.0E+16 ohm·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 5	ASTM D495

UL and the UL logo are trademarks of UL LLC Copyright © 2014 All Rights Reserved. | www.ul.com

Report Date: 2/10/1989
LastRevised:3/15/2023

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.

Thermal	Value	Test Method
RTI Elec		UL 746
0.400 mm	80.0 °C	
0.750 mm	80.0 °C	
1.50 mm	125 °C	
1.90 mm	125 °C	
3.00 mm	125 °C	
6.00 mm	125 °C	
RTI Imp		UL 746
0.400 mm	80.0 °C	
0.750 mm	80.0 °C	
1.50 mm	115 °C	
1.90 mm	115 °C	
3.00 mm	115 °C	
6.00 mm	115 °C	
RTI Str		UL 746
0.400 mm	80.0 °C	
0.750 mm	80.0 °C	
1.50 mm	125 °C	
1.90 mm	125 °C	
3.00 mm	125 °C	
6.00 mm	125 °C	

Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796
Outdoor Suitability	f2	UL 746C

Notice of Disclaimer
By accessing this Yellow Card data information sheet and the database from which this information was generated (the “Yellow Card”), the user acknowledges and accepts the terms and conditions upon which this Yellow Card is made available. This Yellow Card, the database from which it was generated, and all related materials, support, and services, are made available by UL for use only by permission and "as is", without any representation or warranty of any kind, express or implied, including but not limited to any implied warranties of merchantability, fitness for a particular purpose or that the products identified in this Yellow Card will satisfy the user’s requirements. UL cannot and does not warrant that the data contained in this Yellow Card is current, accurate, or complete. The user must independently confirm the conformance of any product to the applicable standards or requirements with the manufacturer of that product. Permission to access this Yellow Card may be withdrawn at any time by UL in its sole discretion. The identification of products and companies on this Yellow Card does not in any way imply endorsement of those products or companies by UL. UL does not assume and expressly disclaims, liability to any person for any loss or damage (including lost profits, lost savings, or any indirect, special, incidental, consequential or punitive damages whether or not UL has been advised of the possibility of such damages) arising out of, or in connection with, the use of this Yellow Card regardless of the cause or causes of such loss or damage.

UL and the UL logo are trademarks of UL LLC Copyright © 2014 All Rights Reserved. | www.ul.com

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.