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: K-1300(##A)(f2), K-1300U#, K-1300V#, K-1300Z#

Polycarbonate (PC), pellets, powder

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

Hot-wire Ignition (HWI) UL 746 0.38 mm PLC 4 1.5 mm PLC 2 3.0 mm PLC 2 6.0 mm PLC 0 High Amp Arc Ignition (HAI) UL 746 0.38 mm PLC 4 1.5 mm PLC 0 3.0 mm PLC 0 6.0 mm PLC 0 3.0 mm PLC 0 3.0 mm PLC 0 6.0 mm PLC 0 6.0 mm PLC 0 Comparative Tracking Index (CTI) PLC 2 UL 746 Dielectric Strength 23 kV/mm ASTM D149 High Voltage Arc Tracking Rate (HVTR) PLC 2 UL 746 Volume Resistivity 1.0E+16 ohms·cm ASTM D257 Volume Resistivity 1.0E+16 ohms·cm IEC 60093 Arc Resistance PLC 5 ASTM D495 Electric Strength 23 kV/mm IEC 60243-1 Thermal Value Test Method RTI Elec UL 746 UL 746 0.38 mm 80.0 °C 1.25 °C	Flammability	Value	Test Method
1.5 mm, ALL HB 3.0 mm, ALL HB 6.0 mm, ALL HB Flammability Classification IEC 60695-11-10, -20 3.0 mm, ALL HB40 6.0 mm, ALL HB40 0.38 mm, ALL HB75 1.5 mm PLC 4 1.5 mm PLC 2 6.0 mm PLC 2 6.0 mm PLC 4 1.5 mm PLC 5 0.	Flame Rating		UL 94
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1.5 mm, ALL HB75 Electrical Value Test Method Hot-wire Ignition (HWI) UL 746 UL 746 0.38 mm PLC 2	6.0 mm, ALL	HB40	
ElectricalValueTest MethodHot-wire Ignition (HWI)UL 7460.38 mmPLC 41.5 mmPLC 23.0 mmPLC 26.0 mmPLC 0High Amp Arc Ignition (HAI)UL 7460.38 mmPLC 03.0 mmPLC 03.0 mmPLC 00.38 mmPLC 03.0 mmPLC 03.0 mmPLC 05.0 mmPLC 03.0 mmPLC 01.5 mmPLC 02.0 mmPLC 01.0 exiting Index (CTI)PLC 2UL 746Dielectric Strength23 kV/mmASTM D149High Voltage Arc Tracking Rate (HVTR)PLC 2Volume Resistivity1.0E+16 ohms·cmVolume Resistivity1.0E+16 ohms·cmArc ResistancePLC 5Electric Strength23 kV/mmElectric Strength23 kV/mmThermalValueRTI ElecUL 7460.38 mm80.0 °C1.5 mm125 °C	0.38 mm, ALL	HB75	
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Arc ResistancePLC 5ASTM D495Electric Strength23 kV/mmIEC 60243-1ThermalValueTest MethodRTI ElecUL 7460.38 mm80.0 °C1.5 mm125 °C	Volume Resistivity	1.0E+16 ohms cm	ASTM D257
Electric Strength 23 kV/mm IEC 60243-1 Thermal Value Test Method RTI Elec UL 746 0.38 mm 80.0 °C 1.5 mm 125 °C	Volume Resistivity	1.0E+16 ohms cm	IEC 60093
ThermalValueTest MethodRTI ElecUL 7460.38 mm80.0 °C1.5 mm125 °C	Arc Resistance	PLC 5	ASTM D495
RTI Elec UL 746 0.38 mm 80.0 °C 1.5 mm 125 °C	Electric Strength	23 kV/mm	IEC 60243-1
0.38 mm 80.0 °C 1.5 mm 125 °C	Thermal	Value	Test Method
1.5 mm 125 °C	RTI Elec		UL 746
	0.38 mm		
	3.0 mm	125 °C	
6.0 mm 125 °C	6.0 mm	125 °C	

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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.

Component - Plastics

File Number: E50075



Thermal	Value	Test Method
RTI Imp		UL 746
0.38 mm	80.0 °C	
1.5 mm	115 °C	
3.0 mm	115 °C	
6.0 mm	115 °C	
RTI Str		UL 746
0.38 mm	80.0 °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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