



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: ML-6500Z(#)(f1)

Polycarbonate (PC), pellets

(#) - Suffix optional

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

Flammability	Value	Test Method
Flame Rating		UL 94
0.8 mm, ALL	V-0	
1.0 mm, ALL	V-0	
1.5 mm, ALL	V-0	
2.0 mm, ALL	V-0, 5VB	
3.0 mm, ALL	V-0, 5VB	
Flammability Classification		IEC 60695-11-10, -20
0.8 mm, ALL	V-0	
1.0 mm, ALL	V-0	
1.5 mm, ALL	V-0	
2.0 mm, ALL	V-0, 5VB	
3.0 mm, ALL	V-0, 5VB	
Glow Wire Flammability Index		IEC 60695-2-12
1.0 mm	930 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
1.0 mm	850 °C	
3.0 mm	850 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.8 mm	PLC 3	
1.0 mm	PLC 3	
1.5 mm	PLC 3	
2.0 mm	PLC 2	
3.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746
0.8 mm	PLC 0	
1.0 mm	PLC 0	
1.5 mm	PLC 0	
2.0 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746

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Thermal	Value	Test Method
RTI Elec		UL 746
0.8 mm	80.0 °C	
1.0 mm	130 °C	
1.5 mm	130 °C	
2.0 mm	130 °C	
3.0 mm	130 °C	
RTI Imp		UL 746
0.8 mm	80.0 °C	
1.0 mm	125 °C	
1.5 mm	125 °C	
2.0 mm	125 °C	
3.0 mm	125 °C	
RTI Str		UL 746
0.8 mm	80.0 °C	
1.0 mm	130 °C	
1.5 mm	130 °C	
2.0 mm	130 °C	
3.0 mm	130 °C	
Ball Pressure Test (125°C, 3.00 mm)	Pass	IEC 60695-10-2
Physical	Value	Test Method
Outdoor Suitability	f1	UL 746C

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