



Component - Plastics

File Number: E98529

TEIJIN LIMITED RESIN AND PLASTIC

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



Panlite: MN-3600H(#)

Polycarbonate (PC), pellets

(#) - Suffix optional

Flammability	Value	Test Method
Flame Rating		UL 94
0.45 mm, ALL	HB	
1.0 mm, ALL	V-1	
1.5 mm, ALL	V-0	
2.0 mm, ALL	V-0, 5VB	
3.0 mm, ALL	V-0, 5VA	
Flammability Classification		IEC 60695-11-10, -20
0.45 mm, ALL	HB75	
1.5 mm, ALL	V-0	
2.0 mm, ALL	V-0, 5VB	
3.0 mm, ALL	V-0, 5VA	
1.0 mm, ALL	V-1	
Glow Wire Flammability Index		IEC 60695-2-12
1.0 mm	960 °C	
1.5 mm	930 °C	
2.0 mm	960 °C	
3.0 mm	930 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
1.0 mm	875 °C	
1.5 mm	825 °C	
2.0 mm	825 °C	
3.0 mm	825 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.0 mm	PLC 2	
1.5 mm	PLC 1	
2.0 mm	PLC 1	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
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 3	UL 746
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257
Volume Resistivity	1.0E+15 ohms·cm	IEC 60093

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Thermal	Value	Test Method
RTI Elec		UL 746
0.45 mm	80.0 °C	
1.0 mm	80.0 °C	
1.5 mm	95.0 °C	
2.0 mm	95.0 °C	
3.0 mm	95.0 °C	
RTI Imp		UL 746
0.45 mm	80.0 °C	
1.0 mm	80.0 °C	
1.5 mm	95.0 °C	
2.0 mm	95.0 °C	
3.0 mm	95.0 °C	
RTI Str		UL 746
0.45 mm	80.0 °C	
1.0 mm	80.0 °C	
1.5 mm	95.0 °C	
2.0 mm	95.0 °C	
3.0 mm	95.0 °C	
Ball Pressure Test (125°C, 3.00 mm)	Pass	IEC 60695-10-2
Heat Deflection Temperature ¹		ISO 75-2/A
1.8 MPa, Unannealed	123 °C	
Notes		
¹ 4 mm		

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