

# Panlite® MX-3300L

## TEIJIN LIMITED - Polycarbonate Alloy

### General Information

#### Product Description

PC alloy grade

#### General

Properties	• High Impact Resistance
Uses	• Electrical Housing
Forms	• Pellets
Processing Method	• Injection Molding

### ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 4.00 mm	0.50 to 0.70	%	
Flow : 4.00 mm	0.50 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	55.0	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	57.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	110	%	ISO 527-2/50
Flexural Modulus <sup>2</sup> (23°C)	2000	MPa	ISO 178
Flexural Stress <sup>2</sup> (23°C)	88.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	37	kJ/m <sup>2</sup>	
23°C	60	kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	122	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.40 mm		HB	
3.0 mm		HB	

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	5.0 to 8.0	hr
Processing (Melt) Temp	270 to 320	°C
Mold Temperature	80 to 120	°C

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 mm/min