

# Panlite® MN-3600HC

## TEIJIN LIMITED - Polycarbonate Alloy

### General Information

#### Product Description

PC alloy grade, Non-halogen type flame resistant series

#### General

Properties	• Bromine Free	• Flame Retardant	• High Heat Resistance
Uses	• Battery Cases	• Electrical Parts	
Forms	• Pellets		
Processing Method	• Injection Molding		

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

Physical	Nominal Value	Unit	Test Method
Density	1.19	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)	60.0	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	50.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	100	%	ISO 527-2/50
Flexural Modulus <sup>2</sup> (23°C)	2300	MPa	ISO 178
Flexural Stress <sup>2</sup> (23°C)	95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	45	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	112	°C	
CLTE - Flow	7.0E-5	cm/cm/°C	ISO 11359-2
CLTE - Transverse	7.0E-5	cm/cm/°C	ISO 11359-2
RTI Elec (1.5 mm)	95.0	°C	UL 746B
RTI Imp (1.5 mm)	95.0	°C	UL 746B
RTI Str (1.5 mm)	95.0	°C	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.45 mm	HB		
1.0 mm	V-1		
1.5 mm	V-0		
2.0 mm	5VB		
3.0 mm	5VA		

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	100	°C

# Panlite® MN-3600HC

## TEIJIN LIMITED - Polycarbonate Alloy

Injection	Nominal Value	Unit
Drying Time	5.0 to 8.0	hr
Processing (Melt) Temp	260 to 300	°C
Mold Temperature	60 to 90	°C

### Notes

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

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