+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

Panlite® MN-3606B

TEIJIN LIMITED - Polycarbonate Alloy

General Information

Product Description

PC alloy grade, Non-halogen type flame resistant series, Mineral filler reinforced

General

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

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield, 23°C)	63.0	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	50.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	90	%	ISO 527-2/50
Flexural Modulus [2] (23°C)	3000	MPa	ISO 178
Flexural Stress [2] (23°C)	98.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	25	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	108	°C	
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 • 5VB		
3.0 mm	5VA		

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	100	°C
Drying Time	5.0 to 8.0	hr
Processing (Melt) Temp	260 to 300	°C
Mold Temperature	60 to 90	°C

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 2.0 mm/min