

Panlite® MN-3730

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 ¹			
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	62.0	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	62.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	100	%	ISO 527-2/50
Flexural Modulus ² (23°C)	2650	MPa	ISO 178
Flexural Stress ² (23°C)	97.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	63	kJ/m ²	ISO 179
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	98.0	°C	
RTI Elec (0.35 mm)	80.0	°C	UL 746B
RTI Imp (0.35 mm)	80.0	°C	UL 746B
RTI Str (0.35 mm)	80.0	°C	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.35 mm	V-2		
0.8 mm	V-0		

Notes

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

² 2.0 mm/min