

Panlite® MN-9225Z

TEIJIN LIMITED - Polycarbonate + Polyester

General Information

Product Description

Polycarbonate/Polyester alloy, Weather resistant

General

Properties	<ul style="list-style-type: none"> Bromine Free Chemical Resistant 	<ul style="list-style-type: none"> Flame Retardant UV Resistant
Uses	<ul style="list-style-type: none"> Electrical Housing 	<ul style="list-style-type: none"> Medical Devices
Forms	<ul style="list-style-type: none"> Pellets 	
Processing Method	<ul style="list-style-type: none"> Injection Molding 	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 4.00 mm	0.40 to 0.60	%	
Flow : 4.00 mm	0.40 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	55.0	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	50.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	110	%	ISO 527-2/50
Flexural Modulus ² (23°C)	2500	MPa	ISO 178
Flexural Stress ² (23°C)	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	78.0	°C	
RTI Elec (0.70 mm)	75.0	°C	UL 746B
RTI Imp (0.70 mm)	75.0	°C	UL 746B
RTI Str (0.70 mm)	75.0	°C	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.70 mm	V-2		
1.5 mm	V-0		
2.0 mm	5VB		

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	80	°C
Drying Time	5.0 to 8.0	hr
Processing (Melt) Temp	240 to 280	°C
Mold Temperature	60 to 70	°C

Notes

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

² 2.0 mm/min