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Panlite® M-1200P

TEIJIN LIMITED - Polycarbonate Alloy

General Information

Product Description	
Sliding, Transparent grade	
General	
Properties	• Wear Resistant
Uses	• Industrial Applications
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.20	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield, 23°C)	65.0	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	60.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	120	%	ISO 527-2/50
Flexural Modulus [2] (23°C)	2300	MPa	ISO 178
Flexural Stress [2] (23°C)	100	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	8.0	kJ/m²	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	106	°C	
RTI Elec (1.5 mm)	80.0	°C	UL 746B
RTI Imp (1.5 mm)	80.0	°C	UL 746B
RTI Str (1.5 mm)	80.0	°C	UL 746B
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.5 mm)	V-2		UL 94

Processing Information

Injection	**Nominal Value**	**Unit**
Drying Temperature	105	°C
Drying Time	5.0 to 8.0	hr
Processing (Melt) Temp	270 to 290	°C
Mold Temperature	70 to 90	°C

Notes

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

[2] 2.0 mm/min