

Panlite® LS-2550

TEIJIN LIMITED - Polycarbonate

General Information

Product Description

Frictional wear resistant grade

General

Properties	• Low Viscosity	• Wear Resistant
Uses	• Industrial Applications	
Appearance	• Opaque	
Forms	• Pellets	
Processing Method	• Injection Molding	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	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)	56.0	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	61.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	110	%	ISO 527-2/50
Flexural Modulus ² (23°C)	2060	MPa	ISO 178
Flexural Stress ² (23°C)	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	35	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	128	°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)	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	120	°C
Drying Time	5.0 to 8.0	hr
Processing (Melt) Temp	270 to 300	°C
Mold Temperature	80 to 120	°C

Notes

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

² 2.0 mm/min