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Panlite® LN-3030RK

TEIJIN LIMITED - Polycarbonate

General Information

Product Description		
Flame resistant, High light reflection grade		
General		
Filler / Reinforcement	• Mineral	
Properties	• Flame Retardant	• High Reflectivity
Uses	• Electrical Parts	• General Purpose
Appearance	• White	
Forms	• Pellets	
Processing Method	• Injection Molding	

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm³	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)	56.0	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	48.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	60	%	ISO 527-2/50
Flexural Modulus [2] (23°C)	2660	MPa	ISO 178
Flexural Stress [2] (23°C)	92.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	34	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	123	°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-0		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	70 to 120	°C

Notes

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

[2] 2.0 mm/min