

Panlite® B-7330R

TEIJIN LIMITED - Polycarbonate

General Information

Product Description

Carbon fiber/Glass fiber reinforced

General

Filler / Reinforcement	• Glass Fiber\Carbon Fiber
Properties	• Creep Resistant • High Rigidity
Uses	• Industrial Applications
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 4.00 mm	0.45 to 0.55	%	
Flow : 4.00 mm	0.080 to 0.18	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	110	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	1.0	%	ISO 527-2/5
Flexural Modulus ² (23°C)	10000	MPa	ISO 178
Flexural Stress ² (23°C)	155	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	24	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	145	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 to 1.0E+2	ohms	IEC 60093
Volume Resistivity	1.0E+2 to 1.0E+3	ohms·cm	IEC 60093
Cured Properties	Nominal Value	Unit	
Volume Resistivity	1.0 to 10	ohms·cm	

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	5.0 to 8.0	hr
Processing (Melt) Temp	270 to 320	°C
Mold Temperature	80 to 120	°C

Notes

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

² 2.0 mm/min