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Panlite® B-7730R

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	1.36	g/cm³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 4.00 mm	0.42 to 0.52	%	
Flow : 4.00 mm	0.020 to 0.12	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break, 23°C)	120	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	1.0	%	ISO 527-2/5
Flexural Modulus [2] (23°C)	12000	MPa	ISO 178
Flexural Stress [2] (23°C)	165	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)	22	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	144	°C	

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