

Panlite® GM-9710

Polycarbonate + Polyester

TEIJIN LIMITED

Message:

Polycarbonate/Polyester alloy (Glass fiber mixed)

General Information			
UL YellowCard	E98529-101036047		
Filler / Reinforcement	Glass Fiber		
Features	Good Chemical Resistance		
	High Rigidity		
Uses	Handles		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/2.16 kg)	8.00	cm ³ /10min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow : 4.00 mm	0.50 to 0.70	%	
Flow : 4.00 mm	0.40 to 0.60	%	
Water Absorption (23°C, 24 hr)	0.18	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3800	MPa	ISO 527-2/1
Tensile Stress (Break)	82.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.0	%	ISO 527-2/5
Flexural Modulus ¹	3700	MPa	ISO 178
Flexural Stress ²	130	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	10	kJ/m ²	
23°C	10	kJ/m ²	
Charpy Unnotched Impact Strength (23°C)	70	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	140	°C	ISO 75-2/B
1.8 MPa, Unannealed	130	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	5.0E-5	cm/cm/°C	

Transverse	7.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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