

Panlite® AM-9730FZ

Polycarbonate + Polyester

TEIJIN LIMITED

Message:

Polycarbonate/Polyester alloy (Special fine filament)

General Information			
Features	Good Chemical Resistance		
	Good Surface Finish		
	Good UV Resistance		
	High Rigidity		
Uses	Handles		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/2.16 kg)	9.00	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	3500	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	60.0	MPa	
Break	50.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	4.0	%	
Break	100	%	
Flexural Modulus ¹	3300	MPa	ISO 178
Flexural Stress ²	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	12	kJ/m ²	
23°C	35	kJ/m ²	
Charpy Unnotched Impact Strength (23°C)	No Break		
			ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, Unannealed	132	°C	ISO 75-2/B
1.8 MPa, Unannealed	105	°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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