

Panlite® AM-8030

Polycarbonate + Polyester

TEIJIN LIMITED

Message:

Polycarbonate/Polyester alloy

General Information			
Features	Good Chemical Resistance		
Uses	Automotive Exterior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/2.16 kg)	11.0	cm ³ /10min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow : 4.00 mm	0.70 to 1.0	%	
Flow : 4.00 mm	0.70 to 1.0	%	
Water Absorption (23°C, 24 hr)	0.22	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	62.0	MPa	
Break	56.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	4.0	%	
Break	110	%	
Flexural Modulus ¹	2250	MPa	ISO 178
Flexural Stress ²	92.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	15	kJ/m ²	
23°C	50	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	123	°C	ISO 75-2/B
1.8 MPa, Unannealed	104	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	8.0E-5	cm/cm/°C	

Transverse	8.0E-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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