

Panlite® AM-8930ZS

TEIJIN LIMITED - Polycarbonate Alloy

General Information

Product Description

Polycarbonate/Polyester alloy

General

Properties	• Chemical Resistant	• Good Impact Resistance	• UV Resistant
Uses	• Automotive Exterior Parts		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/2.16 kg)	13	cm ³ /10min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow : 4.00 mm	0.70 to 1.1	%	
Flow : 4.00 mm	0.70 to 1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2600	MPa	ISO 527-1/2
Tensile Stress (Yield, 23°C)	60.0	MPa	ISO 527-2/50
Tensile Stress (Break, 23°C)	65.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	120	%	ISO 527-2/50
Flexural Modulus ² (23°C)	2400	MPa	ISO 178
Flexural Stress ² (23°C)	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	14	kJ/m ²	
23°C	18	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/B
0.45 MPa, Unannealed	111	°C	
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	95.0	°C	
CLTE - Flow	8.0E-5	cm/cm/°C	ISO 11359-2
CLTE - Transverse	8.0E-5	cm/cm/°C	ISO 11359-2

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	5.0 to 8.0	hr

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

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Injection	Nominal Value	Unit
Processing (Melt) Temp	250 to 280	°C
Mold Temperature	60 to 80	°C

Notes

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

² 2.0 mm/min