

Multilon® R-2330

TEIJIN LIMITED - Polycarbonate + ABS

General Information

Product Description

Glass fiber reinforced PC/ABS polymer alloy, Automotive series

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Properties	• High Heat Resistance • High Rigidity
Uses	• Automotive Applications
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	5.0	cm ³ /10min	ISO 1133
Water Absorption (24 hr, 23°C)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	62.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2/5
Flexural Modulus ² (23°C)	5200	MPa	ISO 178
Flexural Stress ² (23°C)	95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	21	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	114	°C	ISO 75-2/A

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	110	°C
Drying Time	5.0 to 8.0	hr
Processing (Melt) Temp	240 to 270	°C
Mold Temperature	50 to 70	°C

Notes

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

² 2.0 mm/min