

Genestar™ GX1500A-M41

Polyamide 9T
Kuraray Co., Ltd.

Message:

Genestar GX1500A-M41 is a 50% glass reinforced injection grade. This grade was developed specifically for high mechanical properties for TD direction.
Main feature of GX1500A-M41 are;
Low warpage
High mechanical properties for TD direction
Examples of application are;
Structural parts and housing
Steel alternating parts

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Features	High Heat Resistance		
	Low Warpage		
Uses	Automotive Applications		
	Housings		
	Structural Parts		
Appearance	Black		
Processing Method	Injection Molding		
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)		
	Tensile Modulus vs. Temperature (ISO 11403-1)		
Physical	Nominal Value	Unit	Test Method
Density	1.58	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.50	%	
Flow	0.10	%	
Water Absorption (23°C, 24 hr)	0.13	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	250	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	15500	MPa	ISO 178
Flexural Stress	370	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	17	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	280	°C	ISO 75-2/Af

Glass Transition Temperature	125	°C	
Melting Temperature	300	°C	ISO 11357-3

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