

Genestar™ GN2330

Polyamide 9T

Kuraray Co., Ltd.

Message:

GN2330, features a balance of mechanical strength, mold-ability, and dimensional stability.

General Information			
UL YellowCard	E90350-252519		
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Features	Good Dimensional Stability Good Moldability		
Uses	Electrical/Electronic Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.62	g/cm ³	
Melt Mass-Flow Rate (MFR) (320°C/2.16 kg)	21	g/10 min	ASTM D1238
Molding Shrinkage			
Flow : 1.00 mm	0.10	%	
Across Flow : 1.00 mm	0.60	%	
Water Absorption ¹ (Equilibrium, 40°C, 95%RH)	1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	185	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	285	°C	ASTM D648
Glass Transition Temperature	125	°C	
Melting Temperature	306	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength	30	kV/mm	ASTM D149
Dielectric Constant (10.0 GHz)	3.40		ASTM D150
Dissipation Factor (10.0 GHz)	0.010		ASTM D150
Comparative Tracking Index (CTI)	PLC 1		UL 746
Flammability	Nominal Value	Unit	Test Method

Flame Rating	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
Bar Flow Length ² (320°C, 500.0 μm)	5.50	cm	
Weld Elongation	0.70	%	ASTM D638
Weld Strength	54.0	MPa	ASTM D638
NOTE			
1.	96 hrs		
2.	750kgf		

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