

# Genestar™ GN2330

Polyamide 9T

Kuraray Co., Ltd.

# PROSPECTOR®

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## Technical Data

### Product Description

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

### General

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>
UL Yellow Card <sup>2</sup>	• <a href="#">E90350-252519</a>
Search for UL Yellow Card	• <a href="#">Kuraray Co., Ltd.</a> • <a href="#">Genestar™</a>
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
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/cm³	
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 <sup>4</sup> (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 <sup>5</sup> (320°C, 500.0 µm)	5.50 cm	
Weld Elongation	0.70 %	ASTM D638
Weld Strength	54.0 MPa	ASTM D638



**Notes**

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

<sup>3</sup> Typical properties: these are not to be construed as specifications.

<sup>4</sup> 96 hrs

<sup>5</sup> 750kgf



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### Where to Buy

#### Supplier

**Kuraray Co., Ltd.**

Tokyo, Japan

**Telephone:** +81-3-6701-1659

**Web:** <http://www.genestar.jp/en/>

#### Distributor

Please contact the supplier to find a distributor for Genestar™ GN2330

