

Genestar™ GA2330

Polyamide 9T

Kuraray Co., Ltd.

Message:

For applications requiring high abrasion and heat resistance, as well as flame retardancy, such as internal gear of copying machine, GA2330 can be used.

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Features	Flame Retardant		
	Good Abrasion Resistance		
	High Heat Resistance		
Uses	Electrical/Electronic Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.68	g/cm ³	
Melt Mass-Flow Rate (MFR) (320°C/2.16 kg)	13	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)	1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	175	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	197	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
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)	4.90	cm	
Weld Elongation	0.40	%	ASTM D638
Weld Strength	37.0	MPa	ASTM D638
NOTE			
1.	96 hrs		
2.	750kgf		

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