

Genestar™ GR2300

Polyamide 9T

Kuraray Co., Ltd.

Message:

GR2300 delivers increased fluidity and weld strength. Both are well suited for a wide range of electrical and electronic components.

General Information			
UL YellowCard	E90350-558099		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Uses	Electrical Parts		
	Electrical/Electronic Applications		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57	g/cm ³	
Melt Mass-Flow Rate (MFR) (320°C/2.16 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage			
Flow : 1.00 mm	0.10	%	
Across Flow : 1.00 mm	0.65	%	
Water Absorption ¹ (Equilibrium, 40°C, 95%RH)	1.1	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	180	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	10000	MPa	ASTM D790
Flexural Strength	220	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 0		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)	6.50	cm	
Weld Elongation	0.70	%	ASTM D638
Weld Strength	55.0	MPa	ASTM D638
NOTE			
1.	96 hrs		
2.	750kgf		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

