

Genestar™ GP2450NH-2

Polyamide 9T

Kuraray Co., Ltd.

Message:

This grade meets UL94, V-0 Flammability rating without Chlorine and Bromine*. It has good balance of mechanical properties and flow-ability as well as other V-0 grades containing Bromine Flame Retardant (BFR).

*'Halogen free' follows the standards that Br is less than 900ppm, Cl is less than 900ppm, and total of halogen amount (Br and Cl) is less than 1500ppm.

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Features	Bromine Free		
	Chlorine Free		
	Halogen Free		
Uses	Electrical/Electronic Applications		
Physical	Nominal Value	Unit	
Specific Gravity	1.53	g/cm³	
Molding Shrinkage			
Flow : 1.00 mm	0.040	%	
Across Flow : 1.00 mm	0.50	%	
Water Absorption ¹ (Equilibrium, 40°C, 95%RH)	0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	165	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	13000	MPa	ASTM D790
Flexural Strength	224	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
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)	5.50	cm	
Weld Elongation	0.40	%	ASTM D638
Weld Strength	38.0	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



WECHAT