Genestar™ GP2450NH-2

Polyamide 9T

Technical Data

Product Description

Flame-retardant, Halogen-free. Does not contain chlorine or bromine with V-0 flame retardant rating. Achieves the same balance between mechanical properties and fluidity as existing halogen-based flame retardant brands. Glass content: 45%

Application examples

Board-to-cable connector, Board-to-cable(FPC) connector, USB connector, Electrical and electronic applications

General			
Material Status	Commercial: Active		
Literature ¹	Technical Datasheet (English)		
Search for UL Yellow Card	 Kuraray Co., Ltd. Genestar™ 		
Availability	 Africa & Middle East Asia Pacific	EuropeLatin America	North America
Filler / Reinforcement	Glass Fiber, 45% Filler by Weight		
Features	Bromine FreeChlorine Free	Flame RetardantGood Flow	Halogen Free
Uses	Connectors	 Electrical/Electronic Applications 	

Physical	Nominal Value Unit	Test Method
Density	1.53 g/cm ³	ISO 1183/A
Molding Shrinkage		ISO 294-4
Across Flow : 2.00 mm	0.70 %	
Flow : 2.00 mm	0.20 %	
Water Absorption (24 hr, 23°C)	0.10 %	ISO 62
Mechanical	Nominal Value Unit	Test Method
Tensile Stress	150 MPa	ISO 527-2
Tensile Strain (Break)	1.5 %	ISO 527-2
Flexural Modulus	13900 MPa	ISO 178
Flexural Stress	220 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength	9.3 kJ/m ²	ISO 179/1eA
Flammability	Nominal Value Unit	Test Method
Flame Rating	V-0	UL 94
Additional Information	Nominal Value Unit	
Bar Flow Length - 750kgf (320°C, 500.0 μm)	55 mm	

Notes

¹ 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.

² Typical properties: these are not to be construed as specifications.



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