VENYL SFRWGB208H - 8229

Polyamide 6

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Message:

VENYL SFRWGB208H - 8229 is a halogen free flame retardant compounds UL 94 V0 with 25% glass reinforced polyamide 6 intended for Injection moulding.

APPLICATIONS

VENYL SFRWGB208H - 8229 has been developed especially for very demanding applications in automotive industry and electrical parts. Products requiring excellent combination between thermal and mechanical properties an good surface aspect. VENYL SFRWGB208H - 8229 is available in black but other colours can be provided on request.

Filler / Reinforcement Glass Fiber.25% Filler by Weight Additive Fame Retardant Peatures Flame Retardant Good Surface Finish Good Surface Finish Halogen Free Recyclable Material Uses Automotive Applications Electrical Parts Electrical Parts Appearance Black Colors Available Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Density 1.35 g/cm³ Molding Shrinkage 0.40 to 0.90 % Water Absorption (Equilibrium, 23°C, 50%) I.0 % Tensile Modulus 4700 MPa ISO 527-2 Tensile Modulus 2.5 % ISO 527-2 Filer Startin (Break) 2.5 % ISO 527-2 Filer Modulus 400 MPa ISO 527-2 Tensile Strain (Break) 2.5 % ISO 527-2 Filer Modulus 400 MPa ISO 180 Therrad Nominal Value Unit Test Method Notiched Izod Impact Strength 36 ISO 180 Therrad Nominal Value Vint' Test Method Notich	General Information				
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	Thermal	Nominal Value	Unit	Test Method	
0.45 MPa, Unannealed 205 °C ISO 75-2/B	Heat Deflection Temperature				
	0.45 MPa, Unannealed	205	°C	ISO 75-2/B	

1.8 MPa, Unannealed	193	°C	ISO 75-2/A
Melting Temperature (DSC)	220	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Oxygen Index	28	%	ISO 4589-2
Injection	Nominal Value	Unit	
Rear Temperature	245 to 265	°C	
Middle Temperature	250 to 270	°C	
Front Temperature	255 to 275	°C	
Nozzle Temperature	255 to 275	°C	
Mold Temperature	80.0 to 100	°C	
Injection Pressure	85.0 to 110	MPa	
Injection Rate	Fast		
Holding Pressure	50.0 to 70.0	MPa	
Screw L/D Ratio	15.0:1.0 to 20.0:1.0		

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