

# VENYL SFRWGB208H - 8229

Polyamide 6

AD majoris

## 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.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Surface Finish		
	Halogen Free		
	Recyclable Material		
Uses	Automotive Applications		
	Electrical Parts		
Appearance	Black		
	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage	0.40 to 0.90	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4700	MPa	ISO 527-2
Tensile Stress (Break)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	5400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	36	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
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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#### Recommended distributors for this material

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