

VENYL SFRT208 - 8229

Polyamide 6

AD majoris

Message:

VENYL SFRT208 - 8229 is a halogen free flame retardant compounds UL 94 V2 with 25% mineral filled polyamide 6 intended for Injection moulding.

APPLICATIONS

VENYL SFRT208 - 8229 has been developed especially for very demanding applications in automotive industry and electrical parts.

Products requiring excellent combination between thermal and mechanical properties.

VENYL SFRT208 - 8229 is available in natural (VENYL SFRT208) but other colours can be provided on request.

General Information			
Filler / Reinforcement	Mineral,25% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
	Recyclable Material		
Uses	Automotive Applications		
	Electrical Parts		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage	0.60 to 1.0	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.9	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5200	MPa	ISO 527-2
Tensile Stress (Break)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	3.5	%	ISO 527-2
Flexural Modulus	6350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	25	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	205	°C	ISO 75-2/B
1.8 MPa, Unannealed	115	°C	ISO 75-2/A
Melting Temperature (DSC)	220	°C	ISO 3146

Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-2		UL 94
Glow Wire Flammability Index (1.00 mm)	960	°C	IEC 60695-2-12
Oxygen Index	30	%	ISO 4589-2
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Rear Temperature	235 to 240	°C	
Middle Temperature	240 to 250	°C	
Front Temperature	250 to 260	°C	
Nozzle Temperature	250 to 260	°C	
Mold Temperature	80.0 to 100	°C	
Injection Pressure	80.0 to 100	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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