VENYL SG330

Polyamide 6

AD majoris

Message:

VENYL SG330 is a 30 % glass fibre reinforced polyamide 6, elastomer modified, intended for Injection moulding. This product is lubrificated and has good flow properties.
APPLICATIONS
VENYL SG330 has been developed especially for very demanding applications in automotive industry and electrical parts.
VENYL SG330 is available in both natural and black (VENYL SG330-8229) but other colours can be provided on request.

General Information	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight
Additive	Impact Modifier Lubricant
Features	Good Flow Impact Modified Lubricated Recyclable Material
Uses	Automotive Applications Electrical Parts
Appearance	Black Colors Available Natural Color
Forms	Pellets
Processing Method	Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.29	--	g/cm³	ISO 1183
Molding Shrinkage	0.50 to 1.0	--	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.9	--	%	

Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (L-Scale)	105	--		ASTM D785

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	7200	4300	MPa	ISO 527-2
Tensile Stress (Break)	128	78.0	MPa	ISO 527-2
Tensile Strain (Break)	6.5	8.0	%	ISO 527-2
Flexural Modulus	6500	4100	MPa	ISO 178

Flexural Stress	180	125	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	36	50	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	No Break	No Break		ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	200	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	190	--	°C	ISO 75-2/A
Melting Temperature (DSC)	220	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+14	1.0E+12	ohms·cm	DIN 53482
Comparative Tracking Index (Solution A)	500	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	HB	--		UL 94
Injection	Dry	Unit		
Rear Temperature	240 to 260		°C	
Middle Temperature	245 to 265		°C	
Front Temperature	250 to 270		°C	
Nozzle Temperature	250 to 270		°C	
Mold Temperature	80.0 to 110		°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			

Recommended distributors for this material

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