

VENYL UG298

Polyamide 66

AD majoris

Message:

VENYL UG298 is a polyamide 66 glass fibre reinforced with medium viscosity intended for injection moulding, which offers a low coefficient of friction.

APPLICATIONS

VENYL UG298 has been developed especially for very demanding applications in automotive industry and electrical parts.

Products requiring excellent combination between thermal and mechanical properties.

VENYL UG298 offers better lubricated and a lower coefficient of friction.

VENYL UG298 is available in both black/grey.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Low Friction		
	Medium Viscosity		
	Recyclable Material		
Uses	Automotive Applications		
	Electrical Parts		
Appearance	Black		
	Grey		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Molding Shrinkage	0.50 to 0.80	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.7 to 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	130		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7800 to 8200	MPa	ISO 527-2
Tensile Strain (Break)	2.5 to 3.5	%	ISO 527-2
Flexural Modulus	7000 to 7400	MPa	ISO 178
Flexural Stress	190 to 210	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0 to 6.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	244	°C	ISO 75-2/B

1.8 MPa, Unannealed	253	°C	ISO 75-2/A
Melting Temperature (DSC)	256	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	750	°C	IEC 60695-2-12
Oxygen Index	26	%	ISO 4589-2
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	4.0	hr	
Rear Temperature	250 to 280	°C	
Middle Temperature	260 to 290	°C	
Front Temperature	280 to 290	°C	
Nozzle Temperature	265 to 290	°C	
Mold Temperature	90.0 to 120	°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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