

VENYL UW300 - 8229

Polyamide 66

AD majoris

Message:

VENYL UW300 - 8229 is a 30% glass bead filled polyamide 66 intended for Injection moulding.

APPLICATIONS

VENYL UW300 - 8229 has been developed especially for very demanding applications in automotive industry and electrical parts.

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Features	Recyclable Material		
Uses	Automotive Applications		
	Electrical Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage	1.0 to 1.5	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4400	MPa	ISO 527-2
Tensile Stress (Break)	80.0	MPa	ISO 527-2
Tensile Strain (Break)	9.0	%	ISO 527-2
Flexural Modulus	3850	MPa	ISO 178
Flexural Stress	135	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	25	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	225	°C	ISO 75-2/B
1.8 MPa, Unannealed	95.0	°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
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	

Rear Temperature	285 to 300	°C
Middle Temperature	280 to 295	°C
Front Temperature	275 to 290	°C
Nozzle Temperature	265 to 280	°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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