

VENYL ZG307 - 7761

Polyamide 66/6 Copolymer

AD majoris

Message:

VENYL ZG307 - 7761 is a Polyamide 66/6 Copolymer (Nylon 66/6) product filled with 30% glass fiber. It can be processed by injection molding and is available in Europe.

Characteristics include:

Flame Rated

Copolymer

Eco-Friendly/Green

General Information				
Filler / Reinforcement	Glass Fiber,30% Filler by Weight			
Features	Copolymer Recyclable Material			
Forms	Pellets			
Processing Method	Injection Molding			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.37	--	g/cm ³	ISO 1183
Molding Shrinkage	0.50 to 0.70	--	%	
Water Absorption (23°C, 24 hr)	0.95	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9800	5900	MPa	ISO 527-2
Tensile Stress (Break)	185	115	MPa	ISO 527-2
Tensile Strain				ISO 527-2
Yield	3.0	6.0	%	
Break	3.0	8.0	%	
Flexural Modulus	8300	4700	MPa	ISO 178
Flexural Stress	235	140	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	11	16	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	80	92	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	235	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	230	--	°C	ISO 75-2/A
Melting Temperature (DSC)	242	--	°C	ISO 3146
CLTE - Flow	3.0E-5	--	cm/cm/°C	DIN 52328

Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index (Solution A)	550	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	4.0		hr	
Rear Temperature	260 to 280		°C	
Middle Temperature	250 to 265		°C	
Front Temperature	250 to 265		°C	
Mold Temperature	60.0 to 80.0		°C	
Injection Pressure	60.0 to 100		MPa	
Injection Rate	Fast			
Holding Pressure	35.0 to 60.0		MPa	
Screw L/D Ratio	15.0:1.0 to 20.0:1.0			

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