

VENYL ZG108 - 8121

Polyamide 66/6 Copolymer

AD majoris

Message:

VENYL ZG108 - 8121 is a Polyamide 66/6 Copolymer (Nylon 66/6) product filled with 15% 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,15% Filler by Weight		
Features		Copolymer		
		Recyclable Material		
Forms		Pellets		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.25	--	g/cm ³	ISO 1183
Molding Shrinkage	0.60 to 0.90	--	%	Internal Method
Water Absorption (Equilibrium, 23°C, 50% RH)	1.1	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5600	3800	MPa	ISO 527-2
Tensile Stress (Break)	125	65.0	MPa	ISO 527-2
Tensile Strain				ISO 527-2
Yield	3.0	5.0	%	
Break	4.0	8.0	%	
Flexural Modulus	4500	2900	MPa	ISO 178
Flexural Stress	155	95.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	6.0	11	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	30	40	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	220	--	°C	ISO 75-2/A
Melting Temperature (DSC)	242	--	°C	ISO 3146
CLTE - Flow	4.0E-5	--	cm/cm/°C	ASTM E831
Electrical	Dry	Conditioned	Unit	Test Method

Comparative Tracking Index (Solution A)	450	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	HB	--		UL 94
Oxygen Index	21	--	%	ISO 4589-2
Injection	Dry	Unit		
Drying Temperature	90.0		°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	80.0 to 110		MPa	

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