

# VENYL VG200 - 8716

Polyamide 66/6 Copolymer

AD majoris

## Message:

VENYL VG200 - 8716 is a Polyamide 66/6 Copolymer (Nylon 66/6) product filled with 20% 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,20% Filler by Weight		
Features	Copolymer Recyclable Material		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage	0.60	%	
Water Absorption			
Saturation, 23°C	8.0	%	
Equilibrium, 23°C, 50% RH	1.6	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6500	MPa	ISO 527-2
Tensile Stress (Break)	150	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	6000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength	30	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	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	2.0E-5 to 3.0E-5	cm/cm/°C	DIN 52328
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	600	V	DIN 53480
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94

Oxygen Index	23	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	
Rear Temperature	260 to 270	°C	
Middle Temperature	255 to 265	°C	
Front Temperature	250 to 260	°C	
Nozzle Temperature	260 to 265	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Pressure	85.0 to 100	MPa	
Injection Rate	Fast		
Holding Pressure	50.0 to 60.0	MPa	
Screw L/D Ratio	15.0:1.0 to 20.0:1.0		

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#### Recommended distributors for this material

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