

VENYL UFRHW 301 NOIR 8229

Polyamide 66

AD majoris

Message:

VENYL UFRHW 301 NOIR 8229 is a Polyamide 66 (Nylon 66) product filled with 30% glass bead. It can be processed by injection molding and is available in Europe. Applications of VENYL UFRHW 301 NOIR 8229 include automotive and electrical/electronic applications. Primary characteristic: flame retardant.

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Additive	Halogen		
Features	Flame Retardant		
	Halogenated		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Appearance	Black		
	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm ³	ISO 1183
Molding Shrinkage	0.60 to 1.0	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.2	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ISO 527-2
Tensile Stress (Break)	85.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Flexural Modulus	4100	MPa	ISO 178
Flexural Stress	140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	29	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	95.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	225	°C	ISO 75-2/A
Melting Temperature (DSC)	256	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method

Glow Wire Flammability Index (2.00 mm)	850	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Rear Temperature	275 to 290	°C	
Middle Temperature	270 to 285	°C	
Front Temperature	265 to 280	°C	
Processing (Melt) Temp	255 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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