

VENYL UN000 - 8229

Polyamide 66

AD majoris

Message:

VENYL UN000 - 8229 is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in Europe.

Characteristics include:

Flame Rated

Eco-Friendly/Green

General Information				
Features		Recyclable Material		
Forms		Pellets		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Molding Shrinkage	1.3 to 2.2	--	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	2.2 to 2.5	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (L-Scale)	103	87		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3000 to 3500	1400 to 1600	MPa	ISO 527-2
Tensile Stress (Break)	85.0 to 95.0	60.0 to 70.0	MPa	ISO 527-2
Tensile Strain (Break)	15 to 50	200 to 300	%	ISO 527-2
Flexural Modulus	2600 to 2900	1300 to 1500	MPa	ISO 178
Flexural Stress	135 to 150	75.0 to 85.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	3.7 to 5.5	17 to 23	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	No Break	No Break		ISO 179
Notched Izod Impact	51 to 660	180 to 200	J/m	ISO 180
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	220	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	105	--	°C	ISO 75-2/A
Melting Temperature (DSC)	256	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+14	1.0E+12	ohms	DIN 53482
Volume Resistivity	1.0E+15	1.0E+12	ohms · cm	DIN 53482

Comparative Tracking Index (Solution A)	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	V-2	--		UL 94
Glow Wire Flammability Index (2.00 mm)	850	--	°C	IEC 60695-2-12
Oxygen Index	28	--	%	ISO 4589-2
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	4.0		hr	
Rear Temperature	270 to 285		°C	
Middle Temperature	265 to 280		°C	
Front Temperature	260 to 275		°C	
Nozzle Temperature	260 to 275		°C	
Mold Temperature	80.0 to 90.0		°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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