

# VENYL SE038L

Polyamide 6

AD majoris

Message:

VENYL SE038L is a Polyamide 6 (Nylon 6) 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	Nominal Value	Unit	Test Method
Density	1.06	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage	1.6 to 2.0	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	2.0 to 2.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1550	MPa	ISO 527-2
Tensile Stress (Break)	40.0	MPa	ISO 527-2
Tensile Strain (Break)	12	%	ISO 527-2
Flexural Modulus	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	65	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/A
Melting Temperature (DSC)	220	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	DIN 53482
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Rear Temperature	230 to 240	°C	
Middle Temperature	235 to 240	°C	
Front Temperature	235 to 240	°C	
Nozzle Temperature	220 to 265	°C	
Mold Temperature	45.0 to 65.0	°C	
Injection Pressure	70.0 to 90.0	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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Recommended distributors for this material

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