VENYL SN070

Polyamide 6

AD majoris

Message:

VENYL SN070 is a polyamide 6 natural / MoS2 with medium viscosity intended for Injection moulding.
APPLICATIONS
VENYL SN070 has been developed especially for very demanding applications in automotive industry and electrical parts.
Products requiring excellent combination between thermal and mechanical properties.
VENYL SN070 offers better lubricated and a lower coefficient of friction them unfilled grade
VENYL SN070 is available in both black/grey.

General Information			
Additive	Molybdenum Disulfide Lubricant		
Features	Lubricated Medium Viscosity Recyclable Material		
Uses	Automotive Applications Electrical Parts		
Appearance	Black Grey		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.15	g/cm³	ISO 1183
Molding Shrinkage	0.50 to 1.5	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	2.3 to 2.8	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (L-Scale)	100		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3100	MPa	ISO 527-2
Tensile Stress (Break)	65.0 to 85.0	MPa	ISO 527-2
Tensile Strain (Break)	50	%	ISO 527-2
Flexural Modulus	2700	MPa	ISO 178
Flexural Stress	130	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	5.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	No Break		ISO 179
Notched Izod Impact	51	J/m	ISO 180

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	170	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/A
Melting Temperature (DSC)	220	°C	ISO 3146
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+12	ohms	DIN 53482
Volume Resistivity	1.0E+15	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	250 to 270	°C	
Middle Temperature	240 to 255	°C	
Front Temperature	240 to 255	°C	
Nozzle Temperature	240 to 260	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Pressure	60.0 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		

Recommended distributors for this material

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WECHAT