

Ascend Performance Materials Vydyne® 67B Nylon 66, General Purpose, very high viscosity, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Vydyne® 67B is a very-high-viscosity PA66 resin suitable for injection-molding and extrusion applications. It is available in natural color only. Vydyne 67B resin offers high strength, rigidity and toughness over a broad range of demanding applications and good fluid resistance to a wide variety of chemicals, solvents and oils. Typical Applications/End Uses: Typical uses include packaging films, monofilaments, bristles, rods, tubing, sheet and extruded profiles. Availability: Asia Pacific Europe North America Features: Gasoline Resistance General Purpose Good Chemical Resistance Good Toughness High Melt Stability High Rigidity High Strength High Viscosity Oil Resistant

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ascend-Performance-Materials-Vydyne-67B-Nylon-66-General-Purpose-very-high-viscosity-Conditioned.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ISO 1183
Water Absorption	8.5 %	8.5 %	24 hrs; ISO 62
Moisture Absorption at Equilibrium	2.5 %	2.5 %	Equilibrium at 50%rh; ISO 62
Linear Mold Shrinkage	0.022 cm/cm @Thickness 2.00 mm	0.022 in/in @Thickness 0.0787 in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.020 cm/cm @Thickness 2.00 mm	0.020 in/in @Thickness 0.0787 in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	ISO 527
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO 527
Elongation at Break	250 %	250 %	ISO 527
Elongation at Yield	20 %	20 %	ISO 527
Tensile Modulus	1.90 GPa	276 ksi	ISO 527
Flexural Strength	20.0 MPa	2900 psi	ISO 178
Flexural Modulus	0.750 GPa	109 ksi	ISO 178
Izod Impact, Notched (ISO)	30.0 kJ/m ²	14.3 ft-lb/in ²	ISO 180
	6.00 kJ/m ² @Temperature -30.0 °C	2.86 ft-lb/in ² @Temperature -22.0 °F	ISO 180

Mechanical Properties	Metric	English	Comments
Charpy Impact Unnotched	@Temperature 23.0 °C	@Temperature 73.4 °F	ISO 179
	NB	NB	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	3.00 J/cm ²	14.3 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Descriptive Properties	Value	Comments
Blown Film Bath Temperature	20-80°C	
Chill Roll Temperature (Cast Film)	20-80°C	

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