

Ascend Performance Materials Vydyn[®] 67R Nylon 66, Heat Stabilized, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Heat Stabilized

Material Notes:

Vydyn[®] 67R is a high-viscosity, heat-stabilized PA66 resin suitable for injection-molding and extrusion applications. It is available in natural color only. Vydyn 67R 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 Additives: Heat Stabilizer Features: Gasoline Resistance General Purpose Good Chemical Resistance Good Toughness Heat Stabilized High Melt Stability High Rigidity High Strength High Viscosity Oil Resistant Solvent Resistant Uses: Automotive Applications Film Industrial Applications Monofilaments Profiles Rods Sheet Tubing Appearance: Natural Color Forms: Pellets Processing Method: Extrusion Information provided by Ascend Performance Materials.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ascend-Performance-Materials-Vydyn-67R-Nylon-66-Heat-Stabilized-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183
Water Absorption	8.5 % @Time 86400 sec	8.5 % @Time 24.0 hour	ISO 62
Moisture Absorption at Equilibrium	2.5 %	2.5 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.022 cm/cm @Diameter 2.00 mm	0.022 in/in @Diameter 0.0787 in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.021 cm/cm @Diameter 2.00 mm	0.021 in/in @Diameter 0.0787 in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	ISO 527-2
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO 527-2
Elongation at Break	250 %	250 %	ISO 527-2
Elongation at Yield	20 %	20 %	ISO 527-2
Tensile Modulus	1.90 GPa	276 ksi	ISO 527-2
Flexural Strength	20.0 MPa	2900 psi	ISO 178
Flexural Modulus	0.750 GPa	109 ksi	ISO 178

Mechanical Properties <small>Mechanical Properties (ISO)</small>	6.00 kJ/m ² Metric	2.86 ft-lb/in ² English	Comments
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	30.0 kJ/m ²	14.3 ft-lb/in ²	ISO 180
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	NB	NB	ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	3.00 J/cm ²	14.3 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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