

Ascend Performance Materials Vydyne® 65A Nylon 66, General Purpose, intermediate viscosity, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Vydyne® 65A is a medium-viscosity, heat-stabilized PA66 resin suitable for injection-molding extrusion and compounding applications. It is available in natural color only. Vydyne 65A 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 Additive: Heat Stabilizer Slip Features: General Purpose Good Chemical Resistance Good Toughness Heat Stabilized High Rigidity High Strength Medium Viscosity Oil Resistant Solvent Resistant Uses: Industrial Applications Monofilaments Profiles Rods Sheet Tubing Appearance: Natural Color Forms: Pellets Processing Method: Extrusion and Injection Molding Information provided by Ascend

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ascend-Performance-Materials-Vydyne-65A-Nylon-66-General-Purpose-intermediate-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	0.020 cm/cm @Thickness 2.00 mm	0.020 in/in @Thickness 0.0787 in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.018 cm/cm @Thickness 2.00 mm	0.018 in/in @Thickness 0.0787 in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	ISO 527-2
Tensile Strength, Yield	60.0 MPa	8700 psi	ISO 527-2
Elongation at Break	>= 200 %	>= 200 %	ISO 527-2
Elongation at Yield	21 %	21 %	ISO 527-2
Tensile Modulus	1.80 GPa	261 ksi	ISO 527-2
Flexural Strength	20.0 MPa	2900 psi	ISO 178
Flexural Modulus	0.700 GPa	102 ksi	ISO 178
Izod Impact, Notched (ISO)	35.0 kJ/m ²	16.7 ft-lb/in ²	ISO 180

Mechanical Properties	Metric	English	Comments
	7.00 J/m ²	3.33 ft-lb/in ²	ISO 180
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	NB	NB	ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	3.50 J/cm ²	16.7 ft-lb/in ²	ISO 179/1eA
	@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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