

Ascend Performance Materials Vydyn® M344 Nylon 66/6, ignition resistant, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6, Unreinforced

Material Notes:

Vydyn® M344 is a halogenated, unfilled, flame-retardant PA66/6 copolymer designed with excellent strength and toughness. It is lubricated for machine feed and easy mold release and has an Underwriters Laboratories UL 94 flammability classification of V-0 at 0.4 mm (0.016") thick. Availability: Asia Pacific Europe North America Additive: Halogen Lubricant Features: Ductile Good Mold Release Halogenated Ignition Resistant Low Density Lubricated Uses: Appliances Automotive Electronics Bobbins Connectors Electrical Housing Electrical Parts Electrical/Electronic Applications Fasteners Industrial Applications Lighting Applications Living Hinges Printed Circuit Boards Switches Appearance: Natural Color Forms: Pellets Processing Method: Injection Molding Information provided by Ascend

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ascend-Performance-Materials-Vydyn-M344-Nylon-666-ignition-resistant-Conditioned.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ISO 1183
Water Absorption	0.80 %	0.80 %	24 hrs; ISO 62
Moisture Absorption at Equilibrium	1.9 %	1.9 %	Equilibrium at 50%rh; ISO 62
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	ISO 294-4
	@Thickness 2.00 mm	@Thickness 0.0787 in	
Linear Mold Shrinkage, Transverse	0.018 cm/cm	0.018 in/in	ISO 294-4
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	ISO 527-2
Elongation at Break	75 %	75 %	ISO 527-2
Elongation at Yield	25 %	25 %	ISO 527-2
Tensile Modulus	2.30 GPa	334 ksi	ISO 527-2
Flexural Strength	43.0 MPa	6240 psi	ISO 178
Flexural Modulus	1.40 GPa	203 ksi	ISO 178

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