

Ascend Performance Materials Vydyne® ECO315 BK13 Nylon 66, Flame Retardant, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Unreinforced, Flame Retardant

Material Notes:

Vydyne® ECO366 BK13 is a non-halogenated, unfilled, flame-retardant PA66 homopolymer designed with superior flow properties to assist in filling thin-walled, intricate parts. It is lubricated for machine feed and easy mold release and has Underwriters Laboratories UL 94 flammability classification of V-0 at 0.4 mm (0.016") thick. Availability: Asia Pacific Europe North America Additive: Flame Retardant Lubricant Features: Ductile Flame Retardant Good Crack Resistance Good Mold Release Good Toughness Halogen Free 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: Black Forms: Pellets Processing Method: Injection Molding Information provided by Ascend Performance Materials.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ascend-Performance-Materials-Vydyne-ECO315-BK13-Nylon-66-Flame-Retardant-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ISO 1183
Water Absorption	0.80 % @Time 86400 sec	0.80 % @Time 24.0 hour	ISO 62
Moisture Absorption at Equilibrium	2.3 %	2.3 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0090 cm/cm @Diameter 2.00 mm	0.0090 in/in @Diameter 0.0787 in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.0060 cm/cm @Diameter 2.00 mm	0.0060 in/in @Diameter 0.0787 in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	5.00 MPa	725 psi	ISO 527-2
Tensile Strength, Yield	58.0 MPa	8410 psi	ISO 527-2
Flexural Strength	39.0 MPa	5660 psi	ISO 178
Flexural Modulus	1.35 GPa	196 ksi	ISO 178

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