

Ascend Performance Materials Vydyne® ECO315 BK06 Nylon 66/6, Flame Retardant, Conditioned

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

Material Notes:

Vydyne® ECO315 BK06 is a non-halogenated, unfilled, flame-retardant PA66/6 copolymer with excellent toughness and ductility. 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 High Elongation 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-BK06-Nylon-666-Flame-Retardant-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 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	0.012 cm/cm @Diameter 2.00 mm	0.012 in/in @Diameter 0.0787 in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.014 cm/cm @Diameter 2.00 mm	0.014 in/in @Diameter 0.0787 in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	ISO 527-2
Tensile Strength, Yield	52.0 MPa	7540 psi	ISO 527-2
Tensile Modulus	3.50 GPa	508 ksi	ISO 527-2
Flexural Strength	45.0 MPa	6530 psi	ISO 178
Flexural Modulus	1.56 GPa	226 ksi	ISO 178

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