

Ascend Performance Materials Vydyn[®] 909 BK Nylon 66/6, 25% Glass Reinforced, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6 , 30% Glass Fiber Reinforced

Material Notes:

Vydyn[®] 909 BK is a halogenated, 25% glass-filled, flame-retardant PA66/6 copolymer with excellent strength and toughness. 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 Filler/Reinforcement: Glass Fiber, 25% Filler by Weight Additive: Halogen Lubricant Features: Flame Retardant Good Crack Resistance Good Mold Release Good Toughness Halogenated High Rigidity High Strength Ignition Resistant 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-Vydyn-909-BK-Nylon-666-25-Glass-Reinforced-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	ISO 1183
Water Absorption	0.70 % @Time 86400 sec	0.70 % @Time 24.0 hour	ISO 62
Moisture Absorption at Equilibrium	1.3 %	1.3 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0040 cm/cm @Diameter 2.00 mm	0.0040 in/in @Diameter 0.0787 in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.010 cm/cm @Diameter 2.00 mm	0.010 in/in @Diameter 0.0787 in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	3.00 MPa	435 psi	ISO 527-2
Tensile Strength, Yield	90.0 MPa	13100 psi	ISO 527-2
Tensile Modulus	7.10 GPa	1030 ksi	ISO 527-2
Flexural Strength	140 MPa	20300 psi	ISO 178
Flexural Modulus	5.00 GPa	725 ksi	ISO 178

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