

Ascend Performance Materials Vydyn® ECO366 Nylon 66, Flame-retardant, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Unreinforced, Flame Retardant

Material Notes:

Vydyn® ECO366 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 an Underwriters Laboratories UL 94 flammability classification of V-0 at 0.4 mm (0.016") thickAvailability:Asia PacificEuropeNorth AmericaAdditive:Flame RetardantLubricant
Features: DuctileGood Mold ReleaseHalogen FreeIgnition ResistantLow DensityLubricatedUses:AppliancesAutomotive ElectronicsBobbinsConnectorsElectrical HousingElectrical PartsElectrical/Electronic ApplicationsFastenersIndustrial ApplicationsLighting ApplicationsLiving HingesPrinted Circuit BoardsSwitchesAppearance: Natural ColorForms: PelletsProcessing Method: Injection MoldingInformation provided by Ascend Performance Materials.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ascend-Performance-Materials-Vydyn-ECO366-Nylon-66-Flame-retardant-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in³	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, Yield	58.0 MPa	8410 psi	ISO 527-2
Elongation at Break	5.0 %	5.0 %	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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