

Ascend Performance Materials Vydyne® 47 Nylon 66, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Vydyne® 47 Nylon resins are general purpose polyamide, impact modified grades. They are available in natural, black and heat stabilized for improved resistance to elevated temperatures. The heat stabilization package for Vydyne 47H was formulated to provide thermal endurance when used in applications in which continuous or extended high temperature exposure is anticipated. Information provided by Ascend

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ascend-Performance-Materials-Vydyne-47-Nylon-66-Conditioned.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ISO 1183
Water Absorption	1.2 %	1.2 %	24 hrs; ISO 62
Linear Mold Shrinkage	0.018 cm/cm @Thickness 2.00 mm	0.018 in/in @Thickness 0.0787 in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.016 cm/cm @Thickness 2.00 mm	0.016 in/in @Thickness 0.0787 in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ISO 527
Tensile Strength, Yield	45.0 MPa	6530 psi	ISO 527
Elongation at Break	60 %	60 %	ISO 527
Flexural Strength	24.0 MPa	3480 psi	ISO 178
Flexural Modulus	0.783 GPa	114 ksi	ISO 178

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