

Ascend Performance Materials Vydyne® 66B, 66J Nylon 66, Conditioned (2.5% Moisture)

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

Material Notes:

Vydyne® 66B and 66J are members of a family of unreinforced extrusion grade Nylon 66 resins. They are available in natural color. These resins offer high strength, rigidity, and toughness for a broad range of demanding application requirements. Vydyne extrusion grade resins provide good resistance to a wide variety of chemicals, solvents, gasoline, and machine and motor oils. Vydyne 66B Series resins are of high-molecular-weight grade developed to provide high and controlled melt strength. Vydyne 66J Resins are heat-stabilized version for added resistance to elevated temperature use. The high viscosity of Vydyne 66J allows for a very stable and easily controlled melt extrudate. Vydyne 66B and 66J are recognized by Underwriters Laboratories.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ascend-Performance-Materials-Vydyne-66B-66J-Nylon-66-Conditioned-25-Moisture.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ISO 1183
Water Absorption	1.2 % @Time 86400 sec	1.2 % @Time 24.0 hour	ISO 62
Moisture Absorption at Equilibrium	2.5 %	2.5 %	50% RH; ISO 62
Linear Mold Shrinkage	0.013 cm/cm @Thickness 2.00 mm	0.013 in/in @Thickness 0.0787 in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.015 cm/cm @Thickness 2.00 mm	0.015 in/in @Thickness 0.0787 in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO 527
Elongation at Yield	25 %	25 %	ISO 527
Tensile Modulus	1.30 GPa	189 ksi	ISO 527

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ISO 3146

Processing Properties	Metric	English	Comments
Processing Temperature	250 - 295 °C	482 - 563 °F	
Die Temperature	270 - 295 °C	518 - 563 °F	

Processing Properties	Metric ^{275-395 °C}	English ^{515-753 °F}	Comments
Back Pressure	3.00 - 17.0 MPa	435 - 2470 psi	

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