

Ascend Performance Materials Vydyn[®] 22WSP Nylon 66, Weather Resistant, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Vydyn[®] 25WSP is a black, weather resistant injection molding grade Nylon 66 resin. These resins offer a well-balanced combination of engineering properties characterized by high strength, rigidity, good toughness, high melt point, good surface lubricity and abrasion resistance. Vydyn 25WSP maintains the chemical resistance typical of nylon to many chemicals, solvents, gasoline, and machine and motor oils. Information provided by Ascend

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ascend-Performance-Materials-Vydyn-22WSP-Nylon-66-Weather-Resistant-Conditioned.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ISO 1183
Water Absorption	1.2 %	1.2 %	24 hrs; ISO 62
Moisture Absorption at Equilibrium	2.4 %	2.4 %	Equilibrium at 50%rh; ISO 62
Linear Mold Shrinkage	0.014 cm/cm @Thickness 2.00 mm	0.014 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, Yield	77.0 MPa	11200 psi	ISO 527
Elongation at Break	60 %	60 %	ISO 527
Elongation at Yield	25 %	25 %	ISO 527
Tensile Modulus	1.55 GPa	225 ksi	ISO 527
Flexural Strength	22.0 MPa	3190 psi	ISO 178
Flexural Modulus	1.40 GPa	203 ksi	ISO 178

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

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