

Ascend Performance Materials Vydyn[®] 66B Nylon 66, General Purpose, high viscosity, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Vydyn[®] 66B is a high-viscosity, heat-stabilized PA66 resin suitable for injection-molding and extrusion applications. It is available in natural color only. Vydyn 66B resin offers high strength, rigidity and toughness over a broad range of demanding applications and good fluid resistance to a wide variety of chemicals, solvents and oils. Typical Applications/End Uses: Typical uses include packaging films, monofilaments, bristles, rods, tubing, sheet and extruded profiles. Availability: Asia Pacific Europe North America Features: Gasoline Resistance General Purpose Good Chemical Resistance Good Melt Strength Good Toughness High Molecular Weight High Rigidity High Strength High Viscosity Kosher Approved Oil Resistant Solvent Resistant Uses: Film Industrial Applications Monofilaments Profiles Rods Sheet Tubing Appearance: Natural Color Forms: Pellets Processing Method: Extrusion Information provided by Ascend

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ascend-Performance-Materials-Vydyn-66B-Nylon-66-General-Purpose-high-viscosity-Conditioned.php

| Physical Properties | Metric | English | Comments |
|------------------------------------|-----------------------------------|-------------------------------------|------------------------------|
| Specific Gravity | 1.14 g/cc | 1.14 g/cc | ISO 1183 |
| Water Absorption | 8.5 % | 8.5 % | 24 hrs; ISO 62 |
| Moisture Absorption at Equilibrium | 2.5 % | 2.5 % | Equilibrium at 50%rh; ISO 62 |
| Linear Mold Shrinkage | 0.021 cm/cm @Thickness 2.00 mm | 0.021 in/in @Thickness 0.0787 in | ISO 294-4 |
| Linear Mold Shrinkage, Transverse | 0.020 cm/cm @Thickness 2.00 mm | 0.020 in/in @Thickness 0.0787 in | ISO 294-4 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------------------|----------------------------|-----------|
| Tensile Strength at Break | 70.0 MPa | 10200 psi | ISO 527-2 |
| Tensile Strength, Yield | 55.0 MPa | 7980 psi | ISO 527-2 |
| Elongation at Break | >= 150 % | >= 150 % | ISO 527-2 |
| Elongation at Yield | 20 % | 20 % | ISO 527-2 |
| Tensile Modulus | 1.80 GPa | 261 ksi | ISO 527-2 |
| Flexural Strength | 30.0 MPa | 4350 psi | ISO 178 |
| Flexural Modulus | 0.900 GPa | 131 ksi | ISO 178 |
| | 6.00 kJ/m ² | 2.86 ft-lb/in ² | |

| Izod Impact Notched (ISO) Mechanical Properties | Metric @ Temperature -30.0 °C | English @ Temperature -22.0 °F | ISO 180 Comments |
|--|--|---|---------------------|
| | 25.0 kJ/m ² @Temperature 23.0 °C | 11.9 ft-lb/in ² @Temperature 73.4 °F | ISO 180 |
| Charpy Impact Unnotched | NB @Temperature -30.0 °C | NB @Temperature -22.0 °F | ISO 179/1eU |
| | NB @Temperature 23.0 °C | NB @Temperature 73.4 °F | ISO 179/1eU |
| Charpy Impact, Notched | 0.600 J/cm ² @Temperature -30.0 °C | 2.86 ft-lb/in ² @Temperature -22.0 °F | ISO 179/1eA |
| | 2.30 J/cm ² @Temperature 23.0 °C | 10.9 ft-lb/in ² @Temperature 73.4 °F | ISO 179/1eA |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China