

Ascend Performance Materials Vydyne® 66R Nylon 66, General Purpose, high viscosity, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Vydyne® 66R is a high-viscosity, heat-stabilized PA66 resin suitable for injection-molding and extrusion applications. It is available in natural color only. Vydyne 66R 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 Additive: Heat Stabilizer Slip Features: Gasoline Resistance General Purpose Good Chemical Resistance Good Toughness Heat Stabilized High Rigidity High Strength High Viscosity Kosher Approved Oil Resistant Slip 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-Vydyne-66R-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	55.0 MPa	7980 psi	ISO 527-2
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO 527-2
Elongation at Break	>= 130 %	>= 130 %	ISO 527-2
Elongation at Yield	25 %	25 %	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
	2.50 J/cm ² @Temperature 23.0 °C	11.9 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