

Ascend Performance Materials Vydyn[®] 22HSP Nylon 66, General Purpose, Heat Stabilized, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Availability:Asia PacificEuropeNorth America Additive:Lubricant Features: Fast Molding CycleGasoline ResistanceGeneral PurposeGood Abrasion ResistanceGood Chemical ResistanceGood Mold ReleaseGood ToughnessHigh RigidityHigh StrengthLubricatedOil ResistantSolvent ResistantUses:BearingsBushingsCamsConnectorsHousingsIndustrial ApplicationsAppearance: Natural ColorForms: PelletsProcessing Method: Injection MoldingInformation provided by Ascend

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ascend-Performance-Materials-Vydyn-22HSP-Nylon-66-General-Purpose-Heat-Stabilized-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	0.022 cm/cm @Thickness 2.00 mm	0.022 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	40.0 MPa	5800 psi	ISO 527-2
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO 527-2
Elongation at Break	>= 50 %	>= 50 %	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	1.00 GPa	145 ksi	ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ² @Temperature -30.0 °C	3.33 ft-lb/in ² @Temperature -22.0 °F	ISO 180
	20.0 kJ/m ² @Temperature 23.0 °C	9.52 ft-lb/in ² @Temperature 73.4 °F	ISO 180

Mechanical Properties	Metric	English	Comments
Charpy Impact Unnotched	@Temperature -30.0 °C	@Temperature -22.0 °F	ISO 179/1eU
	NB	NB	ISO 179/1eU
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	ISO 179/1eA
Charpy Impact, Notched	2.00 J/cm ²	9.52 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	ISO 179/1eA
Charpy Impact, Notched	2.00 J/cm ²	9.52 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 °C	@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