

## Ascend Performance Materials Vydyn<sup>®</sup> 22HSP NT Nylon 66, Conditioned

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

### Material Notes:

Availability:Asia PacificEuropeNorth America Features: Fast Molding CycleGasoline ResistanceGeneral PurposeGood Abrasion

ResistanceGood Chemical ResistanceGood Mold ReleaseGood ToughnessHigh RigidityHigh StrengthLubricatedOil ResistantSolvent

ResistantUses:BearingsBushingsCamsConnectors HousingsIndustrial ApplicationsAppearance: Natural ColorForms: PelletsProcessing

Method: Injection MoldingInformation provided by Ascend Performance Materials.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ascend-Performance-Materials-Vydyn-22HSP-NT-Nylon-66-Conditioned.php](http://www.lookpolymers.com/polymer_Ascend-Performance-Materials-Vydyn-22HSP-NT-Nylon-66-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ISO 1183
Water Absorption	1.2 %	1.2 %	ISO 62
	@Time 86400 sec	@Time 24.0 hour	
Moisture Absorption at Equilibrium	2.4 %	2.4 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.022 cm/cm	0.022 in/in	ISO 294-4
	@Diameter 2.00 mm	@Diameter 0.0787 in	
Linear Mold Shrinkage, Transverse	0.020 cm/cm	0.020 in/in	ISO 294-4
	@Diameter 2.00 mm	@Diameter 0.0787 in	

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 <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	ISO 180
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	20.0 kJ/m <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	ISO 180
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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