

Ascend Performance Materials Vydyn® 47H BK0668 Nylon 66, Impact Modified, Heat Stabilized, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

Material Notes:

Vydyn® 47H BK0668 is a high-performance, medium-impact-modified, heat-stabilized grade of PA66 resin. Availability: Asia

Pacific Europe North America Additive: Impact Modifier Features: Gasoline Resistance General Purpose Good Abrasion Resistance Good

Chemical Resistance Good Processability Good Toughness High Impact Resistance Impact Modified Low Temperature Impact Resistance

Low Temperature Toughness Oil Resistant Solvent Resistant Uses: Automotive Applications Connectors Consumer

Applications Electrical/Electronic Applications Fasteners Gears Industrial Applications Appearance: Black Forms: Pellets Processing Method:

Injection Molding Information provided by Ascend Performance Materials.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ascend-Performance-Materials-Vydyn-47H-BK0668-Nylon-66-Impact-Modified-Heat-Stabilized-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	ISO 1183
Water Absorption	1.2 % @Time 86400 sec	1.2 % @Time 24.0 hour	ISO 62
Moisture Absorption at Equilibrium	2.3 %	2.3 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.018 cm/cm @Diameter 2.00 mm	0.018 in/in @Diameter 0.0787 in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.016 cm/cm @Diameter 2.00 mm	0.016 in/in @Diameter 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	45.0 MPa	6530 psi	ISO 527-2
Elongation at Break	>= 60 %	>= 60 %	ISO 527-2
Tensile Modulus	1.74 GPa	252 ksi	ISO 527-2
Flexural Strength	24.0 MPa	3480 psi	ISO 178
Flexural Modulus	0.780 GPa	113 ksi	ISO 178
Izod Impact, Notched (ISO)	18.0 kJ/m ² @Temperature -40.0 °C	8.57 ft-lb/in ² @Temperature -40.0 °F	ISO 180

Mechanical Properties	24.0 kJ/m ² Metric	11.4 ft-lb/in ² English	Comments
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	44.0 kJ/m ²	20.9 ft-lb/in ²	ISO 180
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	NB	NB	ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.80 J/cm ²	8.57 ft-lb/in ²	ISO 179/1eA
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	2.40 J/cm ²	11.4 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	6.20 J/cm ²	29.5 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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