

Eurotec® Tecomid® NA40 GR30 NL HW PA6.6, 30% glass fiber reinforced, hydrolysis stabilized, natural

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 30% Glass Fiber Filled

Material Notes:

Information provided by Eurotec®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurotec-Tecomid-NA40-GR30-NL-HW-PA66-30-glass-fiber-reinforced-hydrolysis-stabilized-natural.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ISO 1183
Moisture Absorption	1.90 % @Temperature 23.0 °C	1.90 % @Temperature 73.4 °F	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	Eurotec
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	Eurotec

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	185 MPa	26800 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	10.0 GPa	1450 ksi	ISO 527
Izod Impact, Notched (ISO)	11.0 kJ/m ² @Temperature -30.0 °C	5.23 ft-lb/in ² @Temperature -22.0 °F	ISO 180/1A
	13.0 kJ/m ² @Temperature 23.0 °C	6.19 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1A
Izod Impact, Unnotched (ISO)	70.0 kJ/m ² @Temperature -30.0 °C	33.3 ft-lb/in ² @Temperature -22.0 °F	ISO 180/1U
	80.0 kJ/m ² @Temperature 23.0 °C	38.1 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1U

Thermal Properties	Metric	English	Comments
Melting Point	262 °C	504 °F	[10 K/min], ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	260 °C	500 °F	ISO 75
Deflection Temperature at 1.8 MPa	255 °C	491 °F	

(264 psi) Thermal Properties	Metric	English	ISO 75 Comments
Vicat Softening Point	255 °C @Load 5.10 kg	491 °F @Load 11.2 lb	ISO 306
Flammability, UL94	HB @Thickness 0.750 mm	HB @Thickness 0.0295 in	
	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 60093
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 60093
Comparative Tracking Index	500 V	500 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Processing Temperature	270 - 300 °C	518 - 572 °F	
Feed Temperature	60.0 - 80.0 °C	140 - 176 °F	Throat
Mold Temperature	70.0 - 110 °C	158 - 230 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	2.00 - 4.00 hour	2.00 - 4.00 hour	
Moisture Content	<= 0.20 %	<= 0.20 %	ISO 960
Hold Pressure	50.0 - 100 MPa	7250 - 14500 psi	

Descriptive Properties	Value	Comments
Back Pressure	Low	
Injection Speed	Fast	

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