

## Eurotec® Tecomid® NB40 GR20 NL XA70 PA6, 20% glass fiber reinforced, flame retardant - halogen (RoHS compliant), heat stabilized, natural

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled , Nylon 6, Glass Fiber Filled, Flame Retardant , Nylon 6, Heat Stabilized

### Material Notes:

Information provided by Eurotec®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurotec-Tecomid-NB40-GR20-NL-XA70-PA6-20-glass-fiber-reinforced-flame-retardant-halogen-RoHS-compliant-heat-stabilized-natural.php](http://www.lookpolymers.com/polymer_Eurotec-Tecomid-NB40-GR20-NL-XA70-PA6-20-glass-fiber-reinforced-flame-retardant-halogen-RoHS-compliant-heat-stabilized-natural.php)

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption	1.70 % @Temperature 23.0 °C	1.70 % @Temperature 73.4 °F	50% RH; ISO 960
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	Eurotec
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	Eurotec

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	125 MPa	18100 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	8.00 GPa	1160 ksi	ISO 527
Izod Impact, Notched (ISO)	9.00 kJ/m <sup>2</sup> @Temperature -30.0 °C	4.28 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180/1A
	11.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	5.23 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/1A

Thermal Properties	Metric	English	Comments
Melting Point	223 °C	433 °F	[10 K/min], ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	215 °C	419 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	ISO 75
Vicat Softening Point	210 °C @Load 5.10 kg	410 °F @Load 11.2 lb	ISO 306
	V-1	V-1	

Thermal Properties	Metric	English	Comments
	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Glow Wire Test	800 °C	1470 °F	GWIT; IEC 60695
	@Thickness 2.00 mm	@Thickness 0.0787 in	
	960 °C	1760 °F	GWFI; IEC 60695
	@Thickness 2.00 mm	@Thickness 0.0787 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

Processing Properties	Metric	English	Comments
Processing Temperature	230 - 250 °C	446 - 482 °F	
Feed Temperature	60.0 - 80.0 °C	140 - 176 °F	Throat
Mold Temperature	40.0 - 90.0 °C	104 - 194 °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	Medium - Fast	

## Contact Songhan Plastic Technology Co.,Ltd.

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