

## Eurotec® Tecomid® NT40 CR30 BK111 HS PPA, 30% carbon fiber reinforced, heat stabilized, natural

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), Carbon Fiber Filled

### Material Notes:

Information provided by Eurotec®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurotec-Tecomid-NT40-CR30-BK111-HS-PPA-30-carbon-fiber-reinforced-heat-stabilized-natural.php](http://www.lookpolymers.com/polymer_Eurotec-Tecomid-NT40-CR30-BK111-HS-PPA-30-carbon-fiber-reinforced-heat-stabilized-natural.php)

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 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	0.0010 cm/cm	0.0010 in/in	Eurotec
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	Eurotec

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	275 MPa	39900 psi	ISO 527
Elongation at Break	1.5 %	1.5 %	ISO 527
Tensile Modulus	25.0 GPa	3630 ksi	ISO 527
Izod Impact, Notched (ISO)	7.00 kJ/m <sup>2</sup> @Temperature -30.0 °C	3.33 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180/1A
	8.00 kJ/m <sup>2</sup> @Temperature 23.0 °C	3.81 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/1A

Thermal Properties	Metric	English	Comments
Melting Point	315 °C	599 °F	[10 K/min], ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	290 °C	554 °F	ISO 75
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	<= 1000 ohm-cm	<= 1000 ohm-cm	IEC 60093

Processing Properties	Metric	English	Comments
Processing Temperature	320 - 340 °C	608 - 644 °F	
Feed Temperature	60.0 - 80.0 °C	140 - 176 °F	Throat
Mold Temperature	140 - 180 °C	284 - 356 °F	
Drying Temperature	120 °C	248 °F	
Dry Time	4.00 hour	4.00 hour	
Moisture Content	<= 0.20 %	<= 0.20 %	ISO 960
Hold Pressure	40.0 - 80.0 MPa	5800 - 11600 psi	

Descriptive Properties	Value	Comments
Back Pressure	Low	
Injection Speed	Fast	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China