

Eurotec® Tecomid® NA40 GR15 GR003 XA70 PA6.6, 15% glass fiber reinforced, flame retardant - halogen free (RoHS compliant), heat stabilized, grey RAL 7035

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled , Nylon 66, Glass Fiber Filled, Flame Retardant , Nylon 66, Heat Stabilized

Material Notes:

Information provided by Eurotec®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurotec-Tecomid-NA40-GR15-GR003-XA70-PA66-15-glass-fiber-reinforced-flame-retardant-halogen-free-RoHS-compliant-heat-stabilized-grey-RAL-7035.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ISO 1183
Moisture Absorption	1.70 % @Temperature 23.0 °C	1.70 % @Temperature 73.4 °F	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 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	100 MPa	14500 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	6.50 GPa	943 ksi	ISO 527
Izod Impact, Notched (ISO)	6.00 kJ/m ² @Temperature -30.0 °C	2.86 ft-lb/in ² @Temperature -22.0 °F	ISO 180/1A
	7.00 kJ/m ² @Temperature 23.0 °C	3.33 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1A

Thermal Properties	Metric	English	Comments
Melting Point	262 °C	504 °F	[10 K/min], ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	240 °C	464 °F	ISO 75
Flammability, UL94	V-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	
	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	

Thermal Properties	824 °C Metric	1520 °F English	Comments
	@Thickness 2.00 mm	@Thickness 0.0787 in	GWFI; IEC 60695
	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
Comparative Tracking Index	225 V	225 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Processing Temperature	260 - 280 °C	500 - 536 °F	
Feed Temperature	60.0 - 80.0 °C	140 - 176 °F	Throat
Mold Temperature	50.0 - 100 °C	122 - 212 °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	

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