

## Eurotec® Tecoform® PO20 GR25 NL HS POM, 25% glass fiber reinforced, heat stabilized, natural

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 30% Glass Fiber Reinforced

### Material Notes:

Information provided by Eurotec®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurotec-Tecoform-PO20-GR25-NL-HS-POM-25-glass-fiber-reinforced-heat-stabilized-natural.php](http://www.lookpolymers.com/polymer_Eurotec-Tecoform-PO20-GR25-NL-HS-POM-25-glass-fiber-reinforced-heat-stabilized-natural.php)

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption	0.200 % @Temperature 23.0 °C	0.200 % @Temperature 73.4 °F	50% RH; ISO 960
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	Eurotec
Linear Mold Shrinkage, Transverse	0.016 cm/cm	0.016 in/in	Eurotec

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	120 MPa	17400 psi	ISO 527
Elongation at Break	2.5 %	2.5 %	ISO 527
Tensile Modulus	8.00 GPa	1160 ksi	ISO 527
Izod Impact, Notched (ISO)	6.00 kJ/m <sup>2</sup> @Temperature -30.0 °C	2.86 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180/1A
	7.00 kJ/m <sup>2</sup> @Temperature 23.0 °C	3.33 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/1A

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	[10 K/min], ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	160 °C	320 °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	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	IEC 60093
Comparative Tracking Index	500 V	500 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Processing Temperature	190 - 230 °C	374 - 446 °F	
Feed Temperature	30.0 - 50.0 °C	86.0 - 122 °F	Throat
Mold Temperature	60.0 - 120 °C	140 - 248 °F	
Drying Temperature	100 - 120 °C	212 - 248 °F	
Dry Time	3.00 - 6.00 hour	3.00 - 6.00 hour	
Hold Pressure	80.0 - 100 MPa	11600 - 14500 psi	

Descriptive Properties	Value	Comments
Back Pressure	Low	
Injection Speed	Medium - Fast	

## Contact Songhan Plastic Technology Co.,Ltd.

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