

Eurotec® Tecoform® PO20 AR10 NL HS POM, 10% aramid fiber reinforced, heat stabilized, natural

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Aramid Fiber Filled

Material Notes:

Information provided by Eurotec®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurotec-Tecoform-PO20-AR10-NL-HS-POM-10-aramid-fiber-reinforced-heat-stabilized-natural.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	ISO 527
Elongation at Break	7.5 %	7.5 %	ISO 527
Tensile Modulus	3.50 GPa	508 ksi	ISO 527
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	ISO 180/1A
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	8.00 kJ/m ²	3.81 ft-lb/in ²	ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	[10 K/min], ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ISO 75
Flammability, UL94	HB	HB	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	HB	HB	
	@Thickness 1.60 mm	@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	

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