GEHR Plastics POM-ESD-FG Polyoxymethylene

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

Variant of POM (Copolymer) with an improved electrical conductivity. Surface resistivity =1011 O. Polyoxymethylene can be used in temperatures ranging from -58 Â°F to +230 Â°F. The high surface strength is only surpassed by a few materials. POM shows good sliding properties and good resistance to wear because of the high strength and smooth surface. There is a very low risk of stress cracks.Information provided by GEHR Plastics, Inc.

Order this product through the following link:
http://www.lookpolymers.com/polymer_GEHR-Plastics-POM-ESD-FG-Polyoxymethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	58.0 MPa	8410 psi	ISO 527
Tensile Strength, Yield	63.0 MPa	9140 psi	ISO 527
Elongation at Break	30 %	30 %	ISO 527
Elongation at Yield	10 %	10 %	ISO 527
Modulus of Elasticity	2.625 GPa	380.7 ksi	ISO 527
Coefficient of Friction	0.20 @Temperature 60.0 Â°C	0.20 @Temperature 140 Â°F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.50e+12 ohm-cm	1.50e+12 ohm-cm	VDE 0303

Descriptive Properties	Value	Comments
Acid Resistance	Yes	
Aromatic Resistance	Yes	
Bondability	No	
CKW Resistance	Limited	

Descriptive Properties	Value	Comments
Hydroxide Resistance	Yes	
Ketone Resistance	Yes	
Physiological indifference according	No	
Resistance to Hot Water	Yes	
UV Stabilization	No	

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