Saint-Gobain RulonÂ® DC7035 Bearing/Seal PTFE

Category : Polymer , Thermoplastic

Material Notes:

Offers electrical conductivity in a low wear, self lubricating bearing material. This material is ideal in applications where static dissipation is needed. DC7035 is often used as a static bleed mechanism in bearing applications for electronic components such as disc drives, printers and scanners. Also can be used in conveyor bearings where static buildup in the belts can generate high static charges. Rulon DC7035 is an excellent bearing device to carry the static away from the conveyor table.Information provided by distributor TriStar Plastics Corp.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Saint-Gobain-Rulon-DC7035-BearingSeal-PTFE.php

Physical Properties	Metric	English	Comments
Density	1.96 g/cc	0.0708 lb/inÂ³	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	
Tensile Strength, Yield	10.3 MPa	1500 psi	
Elongation at Break	40 %	40 %	
Tensile Modulus	1.65 GPa	239 ksi	
Flexural Strength	4.55 MPa	660 psi	
Compressive Yield Strength	12.9 MPa @Strain 10.0 %	1870 psi @Strain 10.0 %	
Izod Impact, Notched	3.47 J/cm	6.50 ft-lb/in	
Coefficient of Friction, Dynamic	0.010	0.010	Dry vs. Steel
Coefficient of Friction, Static	0.25	0.25	Dry vs. Steel
Limiting Pressure Velocity	0.350 MPa-m/sec	10000 psi-ft/min	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.648 W/m-K	4.50 BTU-in/hr-ftÂ²-Â°F	
Maximum Service Temperature, Air	288 Â°C	550 Â°F	Continuous
	316 Â°C	600 Â°F	Short Term
Deflection Temperature at 1.8 MPa (264 psi)	121 Â°C	250 Â°F	

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-240 °C	-400 °F	Embrittlement Temp
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Surface Resistance	400 ohm	400 ohm	
Dielectric Constant	2.6 @Frequency 1.00e+6 Hz	2.6 @Frequency 1.00e+6 Hz	
Dielectric Strength	13.8 kV/mm	350 kV/in	Short Term

Descriptive Properties	Value	Comments
Color	Black	

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