Saint-Gobain RulonÂ® AMR Bearing/Seal PTFE

Category : Polymer , Thermoplastic

Material Notes:

Same base material as Rulon AR but Rulon AMR contains a percentage of molybdenum disulfide for increased wear resistance and lower coefficient of friction. Typically used as a seal or gasket, Rulon AMR is specified in many military and commercial applications for hydraulic and pneumatic controls.Information provided by distributor TriStar Plastics Corp.

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

Physical Properties	Metric	English	Comments
Density	2.30 g/cc	0.0831 lb/inÂ³	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	
Tensile Strength, Yield	10.3 MPa	1500 psi	
Elongation at Break	130 %	130 %	
Flexural Strength	4.14 MPa	600 psi	
Izod Impact, Notched	3.20 J/cm	6.00 ft-lb/in	
Coefficient of Friction, Dynamic	0.010	0.010	Dry vs. Steel
Coefficient of Friction, Static	0.025	0.025	Dry vs. Steel
Limiting Pressure Velocity	0.350 MPa-m/sec	10000 psi-ft/min	

Thermal Properties	Metric	English	Comments
CTE, linear	128 Âµm/m-Â°C	71.0 Âµin/in-Â°F	
Thermal Conductivity	0.331 W/m-K	2.30 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)	116 Â°C	240 Â°F	
Minimum Service Temperature, Air	-240 Â°C	-400 Â°F	Embrittlement Temp
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Dielectric Constant	2.5 @Frequency 1.00e+6 Hz	2.5 @Frequency 1.00e+6 Hz	
Dielectric Strength	14.8 kV/mm	375 kV/in	Short Term

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China