

Saint-Gobain Rulon® 1337 Bearing/Seal PTFE

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Rulon® 1337 is a tan material made entirely from FDA compliant components. It has excellent physical properties and is chemically compatible with most chemicals, except concentrated sulfuric acid. This offers much flexibility in wash-down environments of food and pharmaceutical processing environments. It has a slightly lower coefficient of friction than Rulon J, offering extended life and less abrasion with softer mating surfaces. It is compatible with most commercially available natural lubricants for additional reduction in friction.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Rulon-1337-BearingSeal-PTFE.php

Physical Properties	Metric	English	Comments
Density	2.11 g/cc	0.0762 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength	17.2 MPa	2490 psi	ASTM D638
Elongation at Break	175 %	175 %	ASTM D638
Compressive Yield Strength	6.89 MPa	1000 psi	Max load under tribological use
Coefficient of Friction, Dynamic	0.10 - 0.20	0.10 - 0.20	Dry vs. Steel
Coefficient of Friction, Static	0.10 - 0.20	0.10 - 0.20	Dry vs. Steel
Limiting Pressure Velocity	0.350 MPa-m/sec	9990 psi-ft/min	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	133 Âµm/m-Â°C @Temperature 25.6 - 93.3 Â°C	74.0 Âµin/in-Â°F @Temperature 78.0 - 200 Â°F	Length
CTE, linear, Transverse to Flow	110 Âµm/m-Â°C @Temperature 25.6 - 93.3 Â°C	61.0 Âµin/in-Â°F @Temperature 78.0 - 200 Â°F	Diameter
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	
Minimum Service Temperature, Air	-240 Â°C	-400 Â°F	

Descriptive Properties	Value	Comments
Application Environment	Dry	

Descriptive Properties	Value	Comments
	Vacuum	
	Wet	
Color	Tan	

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