

Saint-Gobain Rulon® 125 Bearing/Seal PTFE

Category : Polymer , Thermoplastic

Material Notes:

Rulon 125 is used primarily in applications that are not severe such as dryer drum slides and piston rings in pneumatic or hydraulic controls. Information provided by distributor TriStar Plastics Corp.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Rulon-125-BearingSeal-PTFE.php

Physical Properties	Metric	English	Comments
Density	2.09 g/cc	0.0755 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	
Tensile Strength, Yield	10.3 MPa	1500 psi	
Elongation at Break	60 %	60 %	
Tensile Modulus	1.59 GPa	230 ksi	
Flexural Modulus	1.38 GPa	200 ksi	
Izod Impact, Notched	3.20 J/cm	6.00 ft-lb/in	
Coefficient of Friction, Dynamic	0.012	0.012	Dry vs. Steel
Coefficient of Friction, Static	0.018	0.018	Dry vs. Steel

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.648 W/m-K	4.50 BTU-in/hr-ft ² - °F	
Maximum Service Temperature, Air	288 °C	550 °F	Continuous
	316 °C	600 °F	Short Term
Deflection Temperature at 1.8 MPa (264 psi)	107 °C	225 °F	
Minimum Service Temperature, Air	-240 °C	-400 °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	

Electrical Properties	2.65 Metric	2.65 English	Comments
Dielectric Constant	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	14.8 kV/mm	375 kV/in	Short Term

Descriptive Properties	Value	Comments
Color	Black	

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