

## Saint-Gobain Rulon® 1439 Bearing/Seal PTFE

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

### Material Notes:

Rulon® 1439 is a white FDA compliant material that is suitable for immersed service with better wear characteristics than most other PTFE compounds. Its color makes it aesthetically pleasing for food and pharmaceutical applications. This material is also resistant to many harsh chemicals found in the application environments where it is typically used. It is compatible with most commercially available lubricants for additional reduction in friction. Its properties allow it to be effectively utilized as a bearing or sliding surface.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Saint-Gobain-Rulon-1439-BearingSeal-PTFE.php](http://www.lookpolymers.com/polymer_Saint-Gobain-Rulon-1439-BearingSeal-PTFE.php)

Physical Properties	Metric	English	Comments
Density	2.60 g/cc	0.0939 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength	12.9 MPa	1870 psi	ASTM D638
Elongation at Break	190 %	190 %	ASTM D638
Compressive Yield Strength	6.89 MPa	1000 psi	Max load under tribological use
Coefficient of Friction, Dynamic	0.15 - 0.25	0.15 - 0.25	Dry vs. Steel
Coefficient of Friction, Static	0.15 - 0.25	0.15 - 0.25	Dry vs. Steel
Limiting Pressure Velocity	0.350 MPa-m/sec	9990 psi-ft/min	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	288 Å°C	550 Å°F	
Minimum Service Temperature, Air	-240 Å°C	-400 Å°F	

Descriptive Properties	Value	Comments
Application Environment	Dry	
	Steam	
	Vacuum	
	Wet	
Color	White	

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