

# RULON® 1439®

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.



## DESIGN CRITERIA RULON 1439

Temperature - Typical Range °F (°C)	-400/+550 (-240/288)
Maximum PV (continuous)(MPa•m/s)	10,000 (0.35)*
Maximum P - psi (static)(MPa)	1,000 (6.9)*
Maximum V -SFM (no load)(m/s)	400 (2)*
Shaft Hardness - Minimum	Rb25
Shaft finish recommended Ra (μ"/μm)	8 - 16 (0.2-0.4)*
Shaft Material	Stainless to Hardened Steel
<b>ENGINEERING INFORMATION</b>	
Friction - static & dynamic	.15 - .25
Flammability ASTM D635	Non-Flammable
Chemical Resistance	Good
<b>PHYSICAL DATA</b>	
Elongation ASTM D638	190%
Tensile Strength ASTM D638(MPa)	1875 PSI (12.9)*
Specific Gravity	2.60

A more complete data sheet is available upon request.

\*Metric measurements in parentheses

## TYPICAL PRODUCT AND APPLICATION DESCRIPTION

PRODUCTS	APPLICATIONS
<ul style="list-style-type: none"> <li>Automatically molded bearings &amp; components</li> <li>Sleeve, flanged and thrust bearings</li> <li>Piston Rings</li> <li>Stamped and formed seals</li> <li>Extruded shapes</li> <li>Machined parts</li> <li>Molded shapes</li> </ul>	<ul style="list-style-type: none"> <li>Transmissions</li> <li>Air Compressors</li> <li>Appliances</li> <li>Pillow Blocks</li> <li>Linear slides</li> <li>Fluid transfer systems</li> <li>Vacuum Pumps</li> <li>Valves</li> <li>Food Processing Equipment</li> </ul>