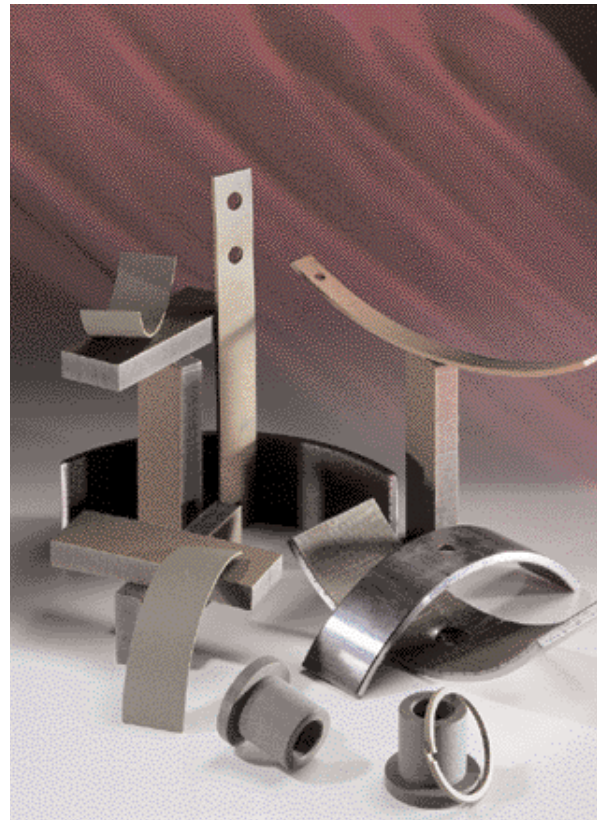


# RULON® F

Rulon® F is a green material with excellent insulating properties and superior abrasion resistance.

It is used in a wide variety of wear component and bearing applications, and is currently used as the liner in one of our composite journal bearings (Rulon® FCJ).

Rulon® F exhibits excellent wear resistance, especially in dry conditions. This material suitably slides against a wide range of mating surfaces but is not recommended for contact with strong bases or steam.



## DESIGN CRITERIA RULON F

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 and Hardened Steel
<b>ENGINEERING INFORMATION</b>	
Friction - static & dynamic	.12 - .20
Flammability ASTM D635	Non-Flammable
Chemical Resistance	Data Available
Thermal Conductivity BTU/hr/sq. ft./°F/in.	2.6
Linear Coefficient of Thermal Expansion (78°-200°F)	Diameter 3.5x10 <sup>-5</sup> (6.3)*
(26°-93°C)	Length 6.2x10 <sup>-5</sup> (11.2)*
(78°-300°F)	Diameter 3.6x10 <sup>-5</sup> (6.4)*
(26°-149°C)	Length 7.0x10 <sup>-5</sup> (12.6)*
<b>PHYSICAL DATA</b>	
Elongation ASTM D638	160%
Tensile Strength ASTM D638(MPa)	1200 PSI (8.3)*
Deformation (1500 psi - 24 hr. RT)	3%
Specific Gravity	1.89

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>Clothes Dryers</li> <li>Chute Liners</li> <li>Compressors</li> <li>Appliances</li> <li>Automotive</li> <li>Insulators</li> <li>Linear slides</li> <li>Pipe supports</li> <li>Wear bands</li> </ul>