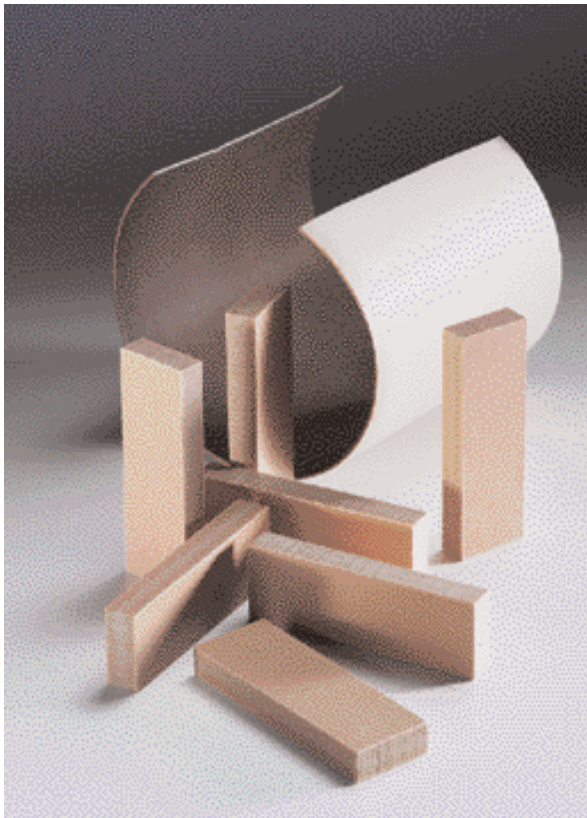


RULON® XL



Rulon® XL is a tan colored material that is best for use against aluminum (including anodized) substrates. Rulon® XL exhibits very low wear as compared with other Rulon® grades.

Other advantages offered by this unique material are that it combines low deformation under load with exceptionally good chemical resistance.

It is compatible with a wide range of mating surfaces, but is not recommended for use with alkalis. Its non-abrasive character enhances the frictional performance to prevent galling of softer mating surfaces.

It is the best material for vacuum service.

TYPICAL PRODUCT AND APPLICATION DESCRIPTION

PRODUCTS	APPLICATIONS
<ul style="list-style-type: none"> Automatically molded bearings & components Sleeve, flanged and thrust bearings Piston Rings Stamped and formed seals Extruded shapes Machined parts Molded shapes 	<ul style="list-style-type: none"> Vacuum Pumps Mixers Compressors Appliances Automotive Insulators Linear slides Shaft support Wear bands

DESIGN CRITERIA RULON XL

Temperature - Typical Range °F	-400/+550 (-240/288)
Maximum PV (continuous)(MPa•m/s)	10,000 (0.35)*
Maximum P - psi (static)(MPa)	1,200 (8.3)*
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	All Steels and aluminum
ENGINEERING INFORMATION	
Friction - static & dynamic	.10 - .25
Water Absorption ASTM D570	0%
Flammability ASTM D635	Non-Flammable
Chemical Resistance	Inert
Thermal Conductivity BTU/hr/sq. ft./°F/in.	1.7
Linear Coefficient of Thermal Expansion (78°-200°F) (26° -93°C)	Diameter 6.4x10 ⁻⁵ (11.5)*
PHYSICAL DATA	
Elongation ASTM D638	160%
Tensile Strength ASTM D638(MPa)	1700 psi (11.7)*
Deformation (1500 psi - 24 hr. RT)	1.4%
Specific Gravity	1.97

A more complete data sheet is available upon request.

*Metric measurements in parentheses