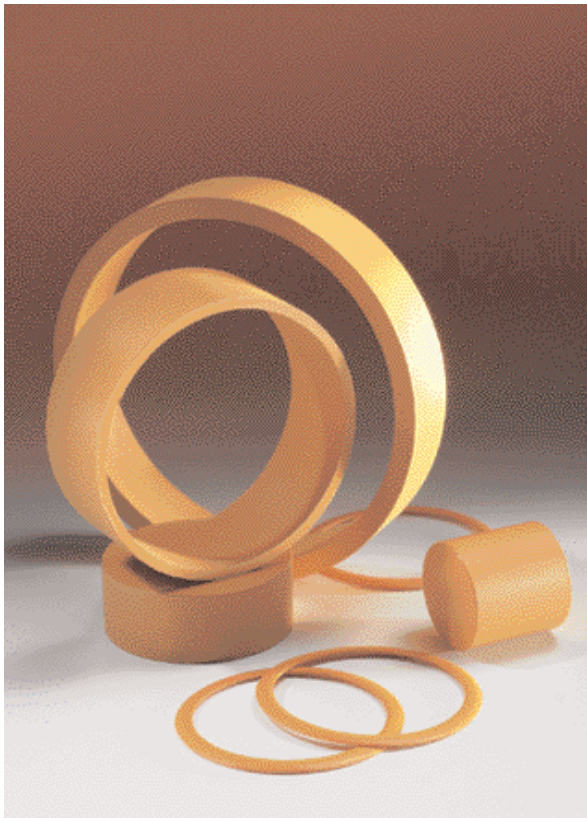


RULON® 1410



Rulon® 1410 is a gold material with excellent elongation and tensile strength suitable for flip seal and other flexible sealing applications. Coupled with low frictional characteristics, it offers the added benefit of energy savings and/or increased sealing efficiency.

This material is also resistant to most harsh chemicals. It is also compatible with many commercially available lubricants for additional reduction in torque.

It can also be used as a liner material for substrates requiring any of the above characteristics.

TYPICAL PRODUCT AND APPLICATION DESCRIPTION

PRODUCTS	APPLICATIONS
<ul style="list-style-type: none"> Automatically molded bearings & components Sleeve, flanged and thrust bearings Piston rings & flip seals Stamped and formed seals Extruded shapes Machined parts Molded shapes 	<ul style="list-style-type: none"> AC Compressors Transmissions Air Compressors Appliances Automotive Linear slides Fluid transfer systems Vacuum pumps Valves

DESIGN CRITERIA RULON 1410

Temperature - Typical Range °F (°C)	-400/+550 (-240/288)
Maximum PV (continuous)(MPa•m/s)	7.500 (0.26)*
Maximum P - psi (static)(MPa)	750 (5.2)*
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 & cast iron
ENGINEERING INFORMATION	
Friction - static & dynamic	.10 - .20
Flammability ASTM D635	Non-Flammable
Chemical Resistance	Data Available
Thermal Conductivity BTU/hr/sq. ft./°F/in.	1.8
Linear Coefficient of Thermal Expansion (78°-200°F)	Diameter 7.1x10 ⁻⁵ (12.8)*
(26° -93°C)	Length 7.1x10 ⁻⁵ (12.8)*
(78°-300°F)	Diameter 7.5x10 ⁻⁵ (13.5)*
(26°-149°C)	Length 7.5x10 ⁻⁵ (13.5)*
(78°-500°F)	Diameter 8.6x10 ⁻⁵ (15.5)*
(26°-260°C)	Length 8.6x10 ⁻⁵ (15.5)*
PHYSICAL DATA	
Elongation ASTM D638	210%
Tensile Strength ASTM D638(MPa)	2150 psi (14.8)*
Specific Gravity	2.20

A more complete data sheet is available upon request.

*Metric measurements in parentheses