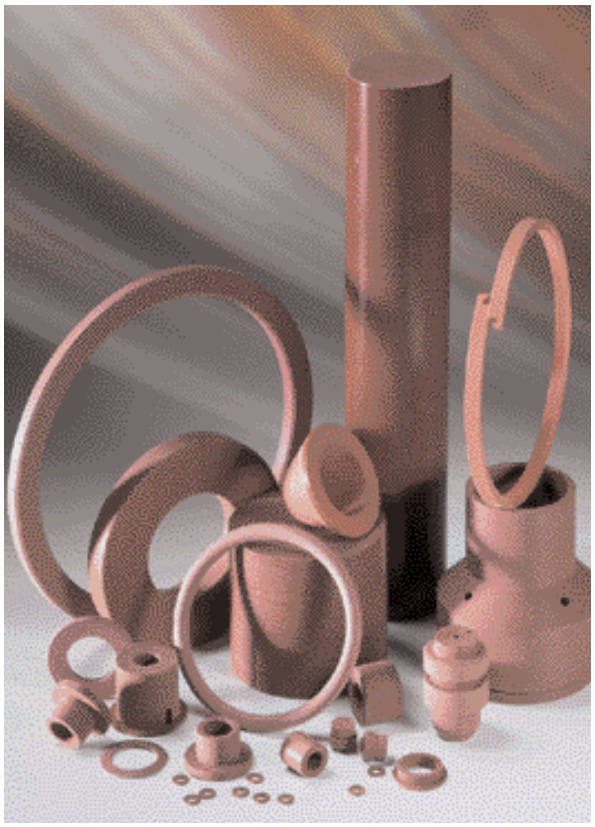
RULON® LR

Rulon® LR is a maroon colored bearing material best known for its versatile design properties.

It is compatible with most hardened steel substrates. Mild steel is acceptable; harder running surfaces are better.

Rulon® has a practically universal chemical inertness. Of the chemicals encountered in commercial practice, only molten sodium and fluorine, at elevated temperatures and pressures, show any signs of attack.

For continuous non-lubricated service, RULON® LR sleeve bearings are capable of operating up to 10,000 PV. Higher values are possible for intermittent service.



Design Criteria
Rulon LR

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	Rc35
Shaft finish recommended Ra (min/um)	8 - 24 (0.2-0.6)*
Shaft Material	Steel
Engineering Information	
Friction - static & dynamic	.15 - .25
Water Absorption ASTM D570	0%
Flammability ASTM D635	Non-Flammable
Chemical Resistance	Inert
Thermal Conductivity BTU/hr/sq. ft./°F/in.	2.3
Linear Coefficient of Thermal Expansion (78°-200°F) (26° -93°C)	Diameter $3.5x10^{-5}$ (6.3)* Length $6.2x10^{-5}$ (11.2)*
(78°-300°F) (26°-149°C)	Diameter $3.5x10^{-5}$ (6.3)* Length $6.2x10^{-5}$ (11.2)*
Physical Data	
Elongation ASTM D638	135%
Tensile Strength ASTM D638(MPa)	2000 psi (13.8)*
Deformation (1500 psi - 24 hr. RT)	3%
Specific Gravity	2.25

A more complete data sheet is available upon request.
**Metric measurements in parentheses*

Typical Product and Application Description

Products	Applications
• Automatically molded bearings & components • Sleeve, flanged and thrust bearings • Piston Rings • Stamped and formed seals • Extruded shapes • Machined parts • Molded shapes	• Pumps • Mixers • Compressors • Appliances • Automotive • Insulators • Linear slides • Pipe supports • Wear bands