

Rulon® AR is a light maroon colored material best known as the current version of the first Rulon® introduced, namely Rulon® A.

It is somewhat more flexible than Rulon® LR, hence suitable for seals and bonded coating of slide surfaces. It has many decades of use in automotive shaft seals and fuel metering pump cups.

Rulon® AR has a practically universal chemical inertness like that of Rulon® LR and provides long life and reliability in continuous non-lubricated service.

It is capable of operating at PV values up to approximately 10,000. Higher PV values are possible for intermittent use applications.



DESIGN CRITERIA RULON® AR

Temperature - Typical Range °F (°C)	-400/+550 (-240/+288)*
Maximum PV (continuous)(MPa·m/s)	10,000 (0.35)*
Maximum P - psi (static)(MPa)	1000 (6.9)*
Maximum V - SFM (no load)(m/s)	400 (2)*
Shaft Hardness - Minimum	Rc35
Shaft finish recommended Ra µin(µm)	8 - 16 (0.2-0.4)*
Shaft Material	Steel
ENGINEERING INFORMATION	
Friction - static & dynamic	0.15 - 0.25
Water Absorption ASTM D570	0%
Flammability ASTM D635	Non-Flammable
Chemical Resistance	Inert
Thermal Conductivity BTU/hr/sq. ft./°F/in. (W/m·K)	2.3 (0.33)*
Linear Coefficient of Expansion 78° - 300°F (26° to 149 °C) x 10 ⁻⁵ in/in °F (x 10 ⁻⁵ m/m °C)	Diameter 4.8 (8.6)* Length 6.2 (11.1)*
PHYSICAL DATA	
Elongation ASTM D4894	175%
Tensile Strength ASTM D4894 (MPa)	2000 psi (13.8)*
Deformation ASTM D621	5% (1500 psi - 24 hr. RT)
Specific Gravity ASTM D792	2.22

A more complete data sheet is available upon request.

*Metric data in parentheses

TYPICAL PRODUCT AND APPLICATION DESCRIPTION

PRODUCTS	APPLICATIONS
<ul style="list-style-type: none"> Automatically molded bearings & components Skived sheet Piston/Piston rings Stamped/Machined formed seals Extruded shapes Machined parts Molded shapes 	<ul style="list-style-type: none"> Pumps Mixers Compressors Appliances Automotive Insulators Linear slides Pipe support Wear bands