

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

It is somewhat more flexible than Rulon LR, suitable for seals and bonded coating of slide surfaces. It's also ideal for 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 for intermittent use applications).

## Features

- Color: Light Maroon
- Chemically inert
- Long life and reliability in continuous non-lubricated applications
- Proprietary custom PTFE
- Working Temperature Range: -400°F to +550°F (-240°C to +288°C)
- Excellent wear and friction



## Technical Specifications

Property	Value	Unit
Temperature - Typical Range	-400/+550 (-240/+288)	°F (°C)
Maximum PV (continuous)	10,000 (0.35)	psi/fpm (MPa•m/s)
Maximum P - psi (static)	1000 (6.9)	psi (MPa)
Maximum V -SFM (no load)	400 (2)	ft/min (m/s)
Shaft Hardness - Minimum	Rc35	Rockwell C
Shaft finish recommended RMS/Ra	8 - 16 (0.2-0.4)	µin (µm)
Shaft Material	Steel	
<b>Engineering Information</b>		
Friction - static & dynamic	0.15 - 0.25	
Water Absorption ASTM D570	0	%
Flammability ASTM D635	Non-Flammable	UL V-O
Chemical Resistance	Inert	
Linear Coefficient of Thermal Expansion 78° to 300°F (26° to 149°C)	Diameter 4.8 (8.6) Length 6.2 (11.1)	x10 <sup>-5</sup> in/in °F (x 10 <sup>-5</sup> m/m °C)
<b>Physical Data</b>		
Elongation ASTM D4894	175%	
Tensile Strength ASTM D4894	2000 (13.8)	psi MPa
Deformation ASTM 621	5 (1500 psi - 24 hr. RT)	%
Specific Gravity ASTM D792	2.22	g/cc

We're ready to put our engineering expertise to work for you from prototype to production.

Engineering | Custom Fabrication | Manufacturing



## CJ Composite

- Self-Lubricating
- Low weight | High Strength
- Chemical Resistance
- Direct replacement for Bronze



## Ultracomp<sup>®</sup>

- Self-Lubricating
- High Load | Low Speed
- 54,400 PSI Compressive Strength
- Exceptional Resistance to Vibration and Impact



## TriSteel<sup>™</sup>

- Self-Lubricating
- High Load | High Speed
- Metal Backed Bearing System
- 100% Lead Free



## Rulon<sup>®</sup>

- Self-Lubricating
- Low weight | High Strength
- Low Coefficient of Friction
- Chemically Resistant



**TriStar**



Engineered Plastic Solutions<sup>™</sup>

[tstar.com](http://tstar.com)

1.800.874.7827

©TriStar Plastics Corp. All rights reserved. Ultracomp is a registered trademark and TriSteel is a trademark of TriStar Plastics Corp. Rulon is a registered trademark of Saint-Gobain Performance Plastics Corporation.