

RULON 1439 is a white FDA compliant material that is suitable for immersed service with better wear characteristics than most other PTFE compounds. Its color makes it aesthetically pleasing for food and pharmaceutical applications.

This material is also resistant to many harsh chemicals found in the application environments where it is typically used. It is compatible with most commercially available lubricants for additional reduction in friction.

Its properties allow it to be effectively utilized as a bearing or sliding surface.

Features

- Color: White (stain-resistant)
- Proprietary custom PTFE
- Self-lubricating (does not require manual greasing)
- Low friction
- High chemical resistance
- Long wear life
- Specially-engineered for long wear
- Excel at high speeds



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)	1,000 (6.9)	psi (MPa)
Maximum V -SFM (no load)	400 (2)	ft/min (m/s)
Shaft Hardness - Minimum	Rb25	Rockwell B
Shaft finish recommended RMS/Ra	8 - 16 (0.2-0.4)	µin (µm)
Shaft Material	Stainless to Hardened Steel	
Engineering Information		
Friction - static & dynamic	0.15 - 0.25	
Flammability ASTM D635	Non-Flammable	
Chemical Resistance	Data Available	
Linear Coefficient of Thermal Expansion 78° to 400°F (26° to 204°C)	Diameter 4.8 (8.6) Length 5.7 (10.2)	x 10 ⁻⁵ in/in °F (x 10 ⁻⁵ m/m °C)
Physical Data		
Elongation ASTM D4894	190	
Tensile Strength ASTM D4894	1800 psi (12.4)	
Deformation ASTM 621	2 (1500)	
Specific Gravity ASTM D792	2.60	

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CJ Composite

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



Ultracomp[®]

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



TriSteel[™]

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



Rulon[®]

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



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