

Rulon 123 is a glossy black non-abrasive compound for softer mating surfaces, such as stainless steel. This material has excellent chemical resistance and is FDA, USDA, and NSF compliant. It is less expensive than Rulon J, but is slightly less flexible and higher in wear.

Rulon 123 releases black wear debris over time and should not be used in ultra-dry, vacuum applications, or where electrical insulation is desired.

## Features

- Color: Black
- High resistance to deformation
- Low coefficient of friction
- Maximum operating temperature is 550°F (288°C)
- Good thermal and electrostatic dissipation
- Self-lubricating design
- Available in rod or tube, sheet and tape, or custom configurations



## 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)	Ra µin(µm)
Shaft Material	Steel	
<b>Engineering Information</b>		
Friction - static & dynamic	0.10 - 0.30	
Water Absorption ASTM D570	0	%
Flammability ASTM D635	Non-Flammable	UL V-O
Chemical Resistance	Inert	
Thermal Conductivity	4.6 (0.66)	BTU/hr/sq. ft./°F.in. (W/m•K)
Linear Coefficient of Thermal Expansion 78° to 200°F (26° to 93°C)	Diameter 4.4 (7.9) Length 7.0 (12.6)	x 10 <sup>-5</sup> in/in °F (x 10 <sup>-5</sup> m/m °C)
<b>Physical Data</b>		
Elongation ASTM D4894	150	%
Tensile Strength @ Yield, 73°F	2500 (17.2)	psi
Deformation ASTM 621	2.5 (1500)	% (psi - 24 hr. RT)
Specific Gravity ASTM D792	2.12	gram/cu. cm

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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



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