

Rulon 488 is a dull turquoise material originally developed for use with painted surfaces. It has been used in veneer dryer bearings in the plywood industry.

Its excellent wear resistance, especially in extremely dry environments, make it a material of choice in hydrogen and natural gas compressors. Almost universal chemical resistance enables it to withstand corrosives and acids sometimes present in trace amounts in these environments.

It has a higher load capacity than Rulon J and better abrasion resistance than both Rulon J and Rulon 123.

Features

- Color: Turquoise
- Ideal for dry applications
- Excellent wear
- Excellent wear and corrosion resistance
- Almost universal chemical resistance



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	Hard, mild and stainless steels	
Engineering Information		
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	2.6 (0.37)	BTU/hr/sq. ft./°F/in. (W/m•K)
Linear Coefficient of Thermal Expansion 78° to 300°F (26° to 149°C)	Diameter 4.2 (7.5) Length 5.7 (10.2)	x 10 ⁻⁵ in/in °F (x 10 ⁻⁵ m/m °C)
Physical Data		
Elongation ASTM D4894	175	%
Tensile Strength @ Yield, 73°F	2000 (13.8)	psi
Deformation ASTM 621	4 (1500)	% psi - 24 hr. RT
Specific Gravity ASTM D792	2.25	gram/cu. cm

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- Chemical Resistance
- Direct replacement for Bronze



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- 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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