

ISO-GARD®

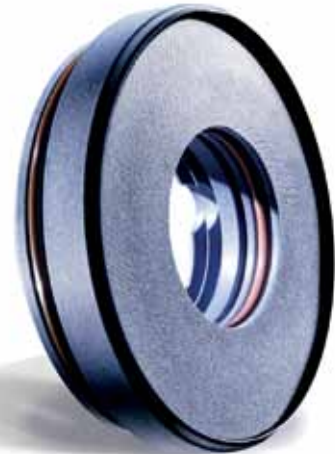
Non-Metallic Bearing Isolator



ISO-GARD®

Non-Metallic Bearing Isolator

ISO-GARD® bearing isolators offer excellent bearing protection for pumps, motors, and bearing supported industrial equipment where harsh chemicals are used for washdown.



Benefits

- » Filled PTFE construction provides excellent chemical compatibility
- » Unitized construction will not come apart during installation
- » Meets IEEE 841 Test Standard
- » Meets NEMA MG-1
- » Available in a broad range of configurations

Typical Application

- Rotating equipment with harsh chemical washdown
- » "Black Liquor" application in Paper mill
 - » Food and Beverage industry

Design Parameters

- » Temperature: -22°F (-30°C) to 400°F (204°C)
- » Shaft to bore misalignment: $\pm 0,020$ " (0,51 mm)
- » Axial motion to $\pm 0,015$ " (0,38 mm)
- » Surface speed up to 4 500 fpm (22,9 m/s)
- » Pressure: Ambient

Labyrinth Path

The tortuous labyrinth path within the ISO-GARD® makes it difficult for outside contaminants to find their way into the housing.

Material of Construction

Both the rotor and the stator are designed of glass-filled PTFE providing excellent chemical resistance and FDA compliance. FDA compliant O-rings are also available upon request.

Fluoroelastomer O-Rings

Standard O-ring material on the rotor and stator providing the optimal compression needed for an effective seal.



ISO-GARD®

Application Data Sheet: Bearing Isolator

Contact Information

Company _____
 Name _____
 Address _____

 Phone No. _____
 E-Mail _____

Enquiry

Date _____
 Enquiry No. _____
 Attachment Yes No
 Garlock ID _____

Equipment Type

Pump Motor Other

Manufacturer _____ Model Number _____

Previous Seal Design

Oil Seal Bearing Isolator Other

Seal Manufacturer _____ Quantity Required _____
 Seal Part Number _____

Seal Design

Solid Split

Mounting Method Cam-Lock O-Ring System Epoxy Mount Bolting Flange
 Construction Material Bronze 316 SS
 Seal Purpose Contamination Exclusion Lubricant Retention Shaft Grounding

Application Conditions

Speed _____ RPM m/sec
 Temperature _____ °F °C
 Pressure _____ PSI bar
 TIR [Total Indicated Runout] _____ in mm
 Axial movement _____ in mm
 Shaft Orientation Horizontal Vertical Top Vertical Bottom
 Lubrication Method Grease Oil Sump Air-Oil Oil Mist
 Media Fill Level Below Shaft Mid Shaft Submerged Shaft
 Media Manufacturer _____
 Media Product Name _____

Notes

GARLOCK GMBH

an Enpro Company

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Note:
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