

# Why Choose Rexnord Duralon Filament Bearings?

## APPLICATION AND DESIGN TECHNICAL EXPERTISE

We provide our trusted engineering expertise to support and guide you in solving application challenges. This includes conducting product testing at the Rexnord Innovation Center, our in-house testing facility, to ensure the performance of the design exceeds your demanding requirements.

## INDUSTRY-LEADING DELIVERY TIME

Standard products have a lead time of three weeks, and small quantity orders have a lead time of five business days. Most custom designed products have a lead time of 3-5 weeks.

## LIGHTWEIGHT SOLUTIONS

These filament bearings reduce maintenance costs while providing 77 percent less weight than steel bearings and 30 percent less weight than aluminum bearings. They offer easier handling and overall reduced equipment weight for an extra-long life in demanding applications, such as in water and other liquid contaminants.

## MULTIPLE CONFIGURATIONS AND CUSTOM DESIGNS

For your specific needs, our experienced engineers offer multiple configuration options and customized designs with dimensionally tight tolerances to optimize performance and extend bearing life in critical applications. In fact, we currently have several active design patents and more than 4,200 special designs that our engineering team has developed.

## RUGGED PERFORMANCE

Our self-lubricated designs maintain peak performance throughout the product life, minimizing maintenance costs and improving productivity.

## UNIQUE COMPOSITION

Rexnord® Duralon® Filament Bearings offer a leading range of engineered performance products. The unique combination of Teflon®\* fiber, fiberglass and resin offer a nonmetallic self-lubricating product that reduces downtime and improves productivity.

## Industries Served

- Agri-farm
- Cement & Aggregates
- Construction
- Food & Beverage
- Forest Products
- Material Handling
- Mining
- Fluid Power
- Marine
- Recreational Vehicles
- Water Management

\* Teflon® is a registered trademark of E.I. DuPont DeNemours and Co.



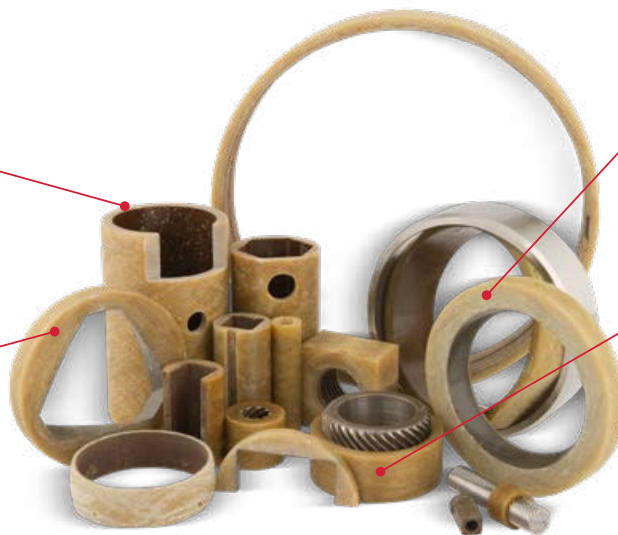


## REXNORD DURALON FILAMENT BEARINGS

- Size ranges from 1/8- to 26-inch (3.18 to 660.40 millimeters) inside diameters
- Broad range of configurations
- Continuous cryogenic temperatures to 325 degrees Fahrenheit (F) (163 C) and intermittent temperatures to 400 F (204 C), with a high temperature resin system available for 400 F (204 C) continuous and intermittent temperatures up to 450 F (232 C)
- Operate self-lubricated with typical dynamic loading from 4,000 to 30,000 psi (28 to 207 MPa), and ultimate strength at 77,000 psi (531 MPa) for a 1/8-inch (3.18 millimeters) wall section
- Lubricants or complex lubrication systems not required
- Corrosion-, moisture-, seizure-, chemical-, galvanic- and fretting-resistant
- Extra-long life in demanding applications in the presence of water or other liquid contaminants
- Minimize slip stick problems
- Lightweight – 77 percent less than steel bearings and 30 percent less than aluminum bearings

Configurations include straight sleeve, hex and square bore, annular, linear, flanged, thrust washers, and special designs

Coefficient of friction decreases as load increases



Standard and customized designs available in imperial and metric dimensions

Electrically non conducting, electrolytic or galvanic action will not take place between bearing and housing or shaft

### WHY CHOOSE REXNORD?

When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, Rexnord is the most reliable in the industry. Our commitment to customer satisfaction and superior value extends to every area of our business.

#### Delivering Lowest Total Cost of Ownership

The highest quality products are designed to help prevent equipment downtime, increase productivity and deliver dependable operation.

#### Valuable Expertise

An extensive product offering is accompanied by global sales specialists, customer service and maintenance support teams, available anytime.

#### Solutions to Enhance Ease of Doing Business

Our commitment to operational excellence means you benefit from getting the right products to the right place at the right time.

### Process & Motion Control Products & Solutions for Your Business:

- Bearings
- Conveying Solutions
- Couplings
- Gear
- Industrial Chain
- PT Drive Components
- Smart Solutions



rexnord.com

866-REXNORD/866-739-6673 (Within the U.S.) or 414-643-2366 (Outside the U.S.)



OUR INNOVATION MOVES