GFO® Packing

Compression Packing

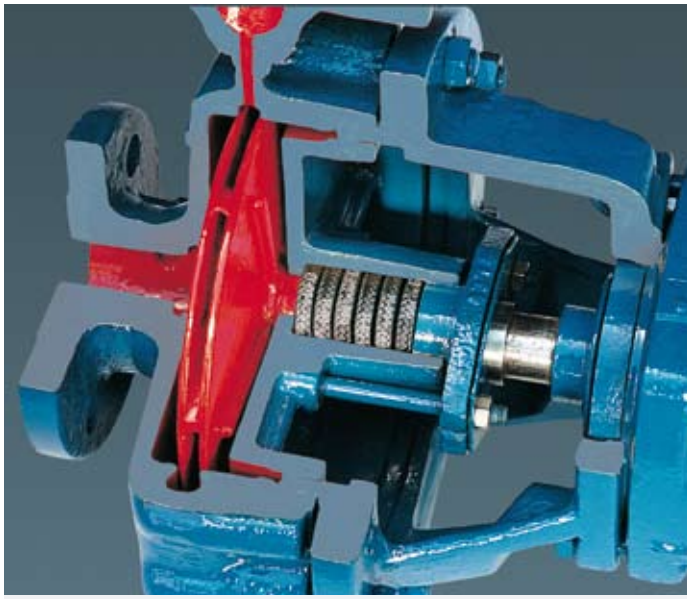
Proven High Performance

Packings containing 100% **GORE**® **GFO**® fiber give maintenance engineers consistently high-performing general service packing for wide application and use. Unlike other PTFE/graphite packings, only those made with **GFO**® fiber, with its 30-year history of trouble-free performance, deliver an unmatched level of assurance and confidence.

Because of its high durability and long life, **GFO**® packing is consistently high performing. Its applications include sealing shafts on high-speed pumps, mixers, agitators, or any other equipment with rotating or reciprocating shafts.

GORE® **GFO**® packing doesn't get hard or brittle, thereby minimizing shaft wear. Moreover, its excellent lubricity and high thermal conductivity keep it cool-running even after extended periods of continuous operation at shaft speeds to 21.8 m/s (4,300 fpm).

Easy to install and remove, this packing is temperature and chemically tolerant over a wide range of conditions.



Key Features

- 30 years of proven performance
- Name printed on the packing
- Widest range of applications
- Long lasting
- Does not harden
- Minimum shaft damage
- Manufacturer's reputation for highest quality fluid sealing products

Key Benefits

- Confidence that the product will work every time
- Easy to install & to remove
- Reduces inventory levels by consolidating packing needs
- Saves money & labor
- Minimum downtime from re-packing pumps or resurfacing shafts

Technical Data

Temperature Range*

-250°C to +288°C/-400°F to +550°F

Chemical Resistance

Chemically inert, with few exceptions, over the entire 0 – 14 pH range.

Stability

Able to withstand shaft speeds to 21.8 m/s (4,300 feet per minute).

Physiological Safety

FOR INDUSTRIAL USE ONLY. Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging operations.

* See Material Safety Data Sheet for stuffing box temperatures above 150°C.

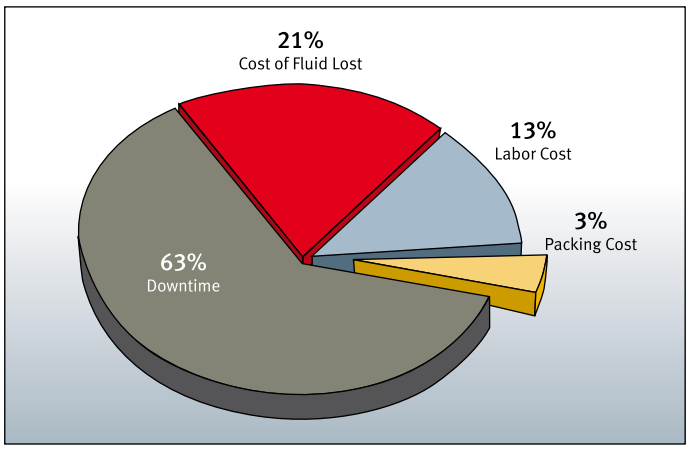
100% GFO® FIBER

Pack It and Forget It.™

GFO® Packing

Versatile and Cost Effective

Because **GFO®** packing is so durable and lasts so long, its in-use cost is much lower than other packing options. Since the packing itself represents only 3% of the total cost of repairing pump packing failures, the real savings gained by a longer-running pump is many times greater. Experience reduced downtime, small fluid losses, and lower total labor cost.



High Performance comes from a Combination of Properties

The performance of packing is a function of many different material properties. For example, thermal conductivity is an important property that differentiates black PTFE packing from pure PTFE.

To predict how a packing will work, it is not enough to focus on a single performance attribute. To gain higher conductivity, you might sacrifice shaft wear, sealability and chemical resistance.

Conformability ... lubricity ... low coefficient of expansion ... braid construction ... low abrasiveness ... ease of installation.

All have an impact on the ultimate performance of the packing. Ultimately, the best indicator of performance is time-in-service in pumps. In hundreds of cases where **GFO®** packing has been tested versus competing alternatives, significant increases in packing life have been experienced.

Different Fibers can cause Major Problems

Some users have tried "trading off" **GFO®** packing performance for lower price. However, low-price competitive "look-alike" black PTFE fiber packings perform differently.

Recently, some look-alike products have targeted one performance criteria – thermal conductivity – suggesting that this attribute makes them "equivalent" to **GFO®** packings. Close inspection of some competitive products show that these products consist of pure PTFE with a thermally conductive layer. The design is much like a wire: a thermally conductive interior surrounded by an insulator. Pull on these fibers and they will turn white. The material in contact with the rotating shaft is pure PTFE, known for its thermal expansion and shaft scoring behavior at higher service temperatures. This outer PTFE layer of the look-alikes also raises questions about how efficiently this packing is able to provide lubrication during break-in and service of the packing.

The General Service Packing

GFO® packing can be used for a wide variety of sealing applications throughout industry. It can be used in many pumps, including centrifugal, rotary, turbine, and reciprocating. It is also useful in valves, agitators, mixers, dryers, and refiners. Because of this wide range of service, **GFO®** packing can be your standard packing solution.

Be Sure it's 100% GFO® Packing

Gore has certified a select group of braiders to provide the highest quality **GFO®** packing. Now you can be sure you're getting genuine 100% **GFO®** packing by looking for the name printed right on the packing. It's the only packing that's identified this way. So look for our Seal of Assurance on all packaging and spools, and "100% **GFO®**" on the packing itself.

Supplied by:

For detailed selection criteria, technical information, installation guideline and a complete listing of local sales offices please visit **gore.com/sealants**

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