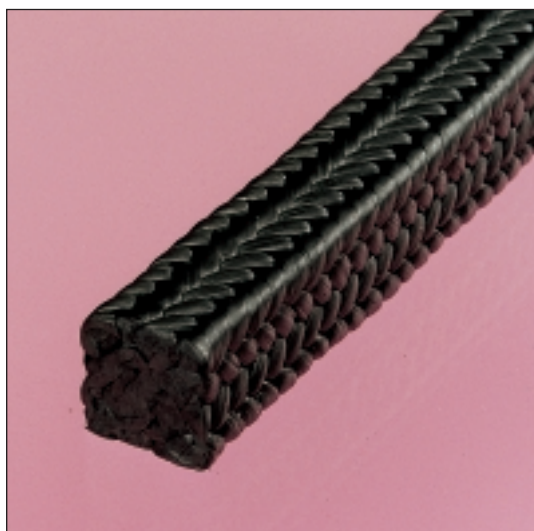


# PTFE-based

## Fluograf®

*Outstanding pump and valve packing*



### Description

A highly versatile product that adds a new dimension to compression packing reliability and performance. Made totally from WL Gore & Associates' highly-developed GFO® yarn – combining the benefits of ePTFE, graphite and high temperature lubricants – this cross-plaited packing offers the ideal balance between density, resilience, strength and durability.

### Typical applications

Pumps and valves handling aggressive chemical media in the petrochemical, pulp and paper, power generation and metallurgical sectors, as well as potable water, food products, and steam at up to 260°C.

### Specifications

- WRAS approved for use with hot and cold potable water up to 85°C.
- Meets Statutory Instrument 1987 Number 1523: *Materials and Articles in Contact with Food Regulations*, unless prolonged contact with an essentially static medium is involved.

### Prime features

- Extended service life – by up to 400% in harsh environments.
- Well proven with aggressive media.
- High thermal conductivity for cool running.
- Low coefficient of friction and minimal shaft wear.
- Very good start-up and emergency running characteristics.
- Non hardening.

### Chemical properties

Compatible with media in the range pH 0-14, including steam, but *excluding* strong oxidising agents such as aqua regia, fuming nitric acid, oleum, and molten alkali metals.

### Service capabilities



#### Valve stem duties

Maximum temperature	+260°C
Minimum temperature	-100°C
Max system pressure	80bar



#### Centrifugal pumps & rotary equipment

Operating temperatures	As valve stem
Maximum shaft speed	22m/s (refer to James Walker for duties up to 28m/s)
Max system pressure	10bar



#### Reciprocating pumps & rams

Operating temperatures	As valve stem
Maximum rod speed	1m/s
Max system pressure	80bar
(More severe duties can be sealed with specially designed arrangements)	

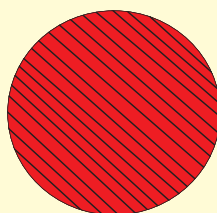
### How supplied

Ex-stock: all popular square sections from 3mm to 25mm, boxed in 8m lengths. Selected sections available in 2m maintenance packs. Also supplied as split preformed rings and sets. Full fitting instructions are included.

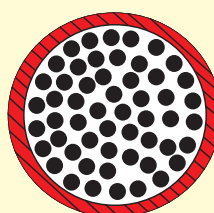
### What is so special about Gore-GFO®?

GFO® is a homogenous fibre, developed specifically for compression packings with heat transfer and lubricant components forming an integral part of the yarn. In contrast, most other packing yarns have these components added as a coating during packing manufacture. Such coatings may be washed out during the service life of the packing.

With its consistently high thermal conductivity, a GFO fibre packing ensures efficient sealing, particularly at high temperatures and speeds. Under arduous conditions where other materials can harden, dry out or even burn, a GFO fibre packing will continue to run trouble-free with controlled leakage.



homogenous fibre



coated fibre



heat transfer component



lubricant component



dry fibre