

Fluolion® Filament D & L

High chemical resistance



Description

Both **Filament D** and **Filament L** are cross-plaited from tough thermally stable PTFE fibre yarn. **Filament D** is impregnated and densified with particles of PTFE, and the packing is cleaned of all organic matter and volatile content.

Filament L is impregnated and densified with particles of PTFE and contains an inert running-in lubricant.

Typical applications

The purity of **Filament D** allows it to be used as a valve packing for oxygen services and food applications. It is also suitable for slow-duty pumps handling chemicals.

Filament L is a chemically resistant high performance packing for pumps and valves.

Specifications (Filament D only)

- PTFE yarns manufactured according to FDA guidelines.
- BAM approved for service with gaseous oxygen at up to 60°C and 20bar and with liquid oxygen to 250°C and 150bar.
- Potable water approved.

Prime features

- Excellent chemical resistance.
- Long life valve sealing with minimum maintenance.
- Clean and highly conformable for easy fitting.

Chemical properties

Compatible with media in the range pH 0-14, including corrosive acids and alkalis.

Service capabilities

	Valve stem duties	
	D	L
Maximum temperature	+250°C	+250°C
Minimum temperature	-100°C	-100°C
Max system pressure	150bar	150bar



Centrifugal pumps & rotary equipment

	D	L
Operating temperatures	As valve stem	As valve stem
Maximum shaft speed	4m/s	10m/s
Max system pressure	10bar	25bar



Reciprocating pumps & rams

	D	L
Operating temperatures	As valve stem	As valve stem
Maximum rod speed	0.5m/s	1.0m/s
Max system pressure	50bar	100bar