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

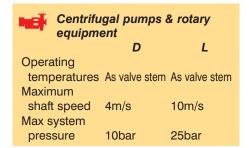
- Excellent chemical resistance.
- Long life valve sealing with minimum maintenance.
- Clean and highly conformable for easy fitting.

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	



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	