



Klinger 54F

A pure PTFE filament packing, suitable for use in valves for use with foods and pharmaceutical applications

K54F is only one of the Klinger TopLine range of compression packings.

This is an optimised range introduced by Klinger to provide users with gland sealing products that meet today's demanding services, offering effective and trouble-free sealing during application. To achieve this goal we have selected the best materials and the best production methods. The result is the Klinger TopLine packing range.

Ongoing Test & Development in line with Klinger philosophy will ensure the continued improvement of the TopLine products.

- *This TopLine packing is manufactured from specially selected PTFE filaments. The special Klingerlock braiding process ensures a firm but flexible product of consistent density. The resulting packing is suitable for use in a wide range of industries and processes.*
- *PTFE is self-lubricating and this property coupled with the packings low coefficient of friction ensures easy operation and actuation of any valve, without stem wear.*
- *PTFE is extremely resistant to a wide range of chemicals, therefore packing volume loss as a result of chemical attack does not readily occur.*
- *Most glands that are packed with K54F need little adjustment after the initial installation.*
- *A clean non-contaminating compression packing:*
- *Water Research Council approval allows the packing to be used in potable water applications.*
- *BAM approval for oxygen service in valves up to 20 bar pressure, 60°C for gaseous oxygen. For liquid oxygen there is no limitation other than the limitations of the packing.*
- *Resins with FDA Conformity.*



BS EN 9100:2003, ISO 9001:2008
Certificate no: FM 10571

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TopLine Packing 54F

Service Capabilities

When used in equipment in good mechanical condition and installed using our product guidelines the undernoted values apply:

- Minimum operating Temperature **-240°C**
- Maximum operating temperature **260°C**
- Maximum steam temperature **260°C**
- pH **0-14**
- Maximum static pressure **200 bar**

K54F can also be used in pump applications. Please contact Klinger for further advice.

Note: *The packing should not be subjected to the maximums of temperature, pressure and speed simultaneously, for further advice please contact our technical department.*

Forms of Supply

Klinger packings are offered in a range of standardised packages:

Size:
3mm to 25mm

Length:
8 metres per box

by weight:
sizes under 9.5mm 1kg/box
9.5mm to 12.5mm 2kg/box
sizes over 12.5mm 4kg/box

Alternative lengths and weights can be offered upon request, please contact Klinger for further details.

Klinger 54F is suitable for use as a general valve and pump packing within many industries, for example;

- Water Industry
- Chemical Processing
- Pharmaceutical Industries
- Paper Mills
- Food Production
- Hospitals
- Cryogenic Industries
- Industrial Gases Plants

Technical Advice

If you require additional technical information or would like Klinger to advise you on a particular application, then contact our Technical Department at the address shown.

It is advantageous to provide the following details:

1. Type of valve or pump
2. Working and test pressure
3. Temperature - steady or cycling
4. Rate of pressure & temperature increase
5. Medium and concentration
6. Operating speed
7. Special requirements
8. Details of stuffing box design