



# Klinger 54F

**An excellent choice for plant wide use especially when a clean, non-contaminating packing is required with a high degree of chemical resistance.**

*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.*



Certificate No FM. 10571

■ *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.*

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## Service Capabilities

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

■ Minimum operating Temperature	<b>-240°C</b>
■ Maximum operating temperature	<b>260°C</b>
■ Maximum steam temperature	<b>260°C</b>
■ pH	<b>0-14</b>
■ Maximum static pressure	<b>200 bar</b>

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 packing within the following:

- 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