



# Klinger 54S

**An excellent choice for plant wide use on services to 260°C and 200 bar, especially when a high level of resistance to chemical attack is required.**

*Klinger 54S is one of the Klinger TopLine range of compression packings.*

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

*Ongoing test and development in line with the Klinger philosophy will ensure the continued improvement of the TopLine products.*

■ This TopLine packing is manufactured from 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 K54S need little adjustment after the initial installation.

■ Water Research Council approval allows the packing to be used in potable water applications. The current certificate reference is 9507510 (for further details please contact Klinger)

■ Due to its diverse capabilities 54S offers the Engineer a packing that can cut maintenance requirements and also reduce stock holdings.



Certificate No FM. 10571

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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      **-240°C**
- Maximum operating temperature      **280°C**
- Maximum steam temperature      **280°C**
- pH      **0-14**
- Maximum static pressure      **200 bar**
- Maximum rotary speed      **5 m/s**
- Maximum recip. speed      **1.5 m/s**

K54S 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 54S is suitable for use as a general valve packing within the following:

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

