



Klinger 55

New generation, multiservice packing for both valves & pumping applications. Klingerlock braided offering excellent sealing & reliability in high performance duties

Klinger 55 is only 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 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 all TopLine products.

- *Klinger 55 compression packing is manufactured from PTFE filaments, which have been specially treated to incorporate a high quality graphite based lubricant. The special Klingerlock braiding process is used.*

- *PTFE based, K55 has unrivalled chemical resistance and is compatible with the majority of industrial media including strong acids, alkalis, oils and solvents.*

- *It is only affected by very strong oxidisers and molten alkali metals. (a full listing is available upon request – please contact our technical department)*

The graphite infusion markedly improves the heat transfer properties of the packing. This allows it to be used in dynamic applications operating at high peripheral speeds with extremely low leakage rates.

- *Due to its wide service capabilities K55 TopLine packing offers the user a universal packing material with excellent sealing life. This reduces the number of different packing grades that must be held as stock.*

- *K55 is clean to handle and requires only minimal gland loading to effect a satisfactory seal.*



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

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TopLine Packing 55

Service Capabilities

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

- Minimum operating Temperature **-200°C**
- Maximum operating temperature **280°C**
- Maximum steam temperature **280°C**
- pH **0-14**
- Maximum static pressure **250 bar**
- Maximum dynamic pressure **25 bar**
- Maximum recip. pressure **250 bar**
- Maximum running speed **20 m/s**

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

- Water Industry
- Power Generation
- Pulp & Paper Mills
- General Factory Maintenance
- Petrochemical Plants
- Chemical Processing & Manufacture
- Refineries

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