



# KLINGER K35 RINGS

Die-Formed Graphite Packing And  
Pressure Seals



K35 Die-Formed Rings offer a leak free sealing solution for high performance valve applications which require excellent pressure and temperature characteristics.

The manufacturing process ensures a product that is volumetrically stable - without fillers or binders. K35 rings are also essentially impermeable and without porosity.

## GENERAL PROPERTIES

- » Graphite is a self-lubricating material. This ensures that there is no abrasion or wear of valve shafts or stems.
- » K35 rings have outstanding chemical resistance and are unaffected by the majority of chemical media employed within industry.
- » The material has excellent thermal conductivity and thermal resistance.
- » K35 die-formed rings are therefore unaffected by fluctuations during application, such as thermal cycling.
- » Can be used with braided header and footer rings for high pressure applications

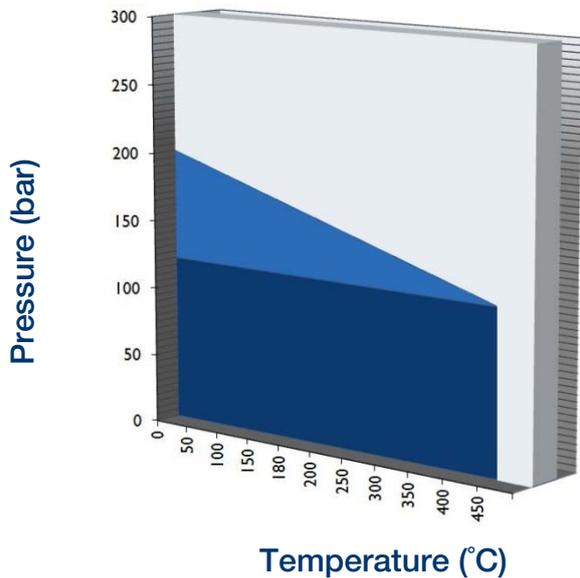
## TESTS AND CERTIFICATIONS

- » BAM Approval for use with oxygen 130 bar/200°C
- » WRAS Approval

## AVAILABILITY

- » Klinger can manufacture virtually any size, section or density of die formed ring. Required information:
  - OD, ID and ring height
  - Section and profile
  - Endless, halved or split rings
  - Density
  - Depth of stuffing box
- » Also available in 99.85% pure nuclear grade

## APPLICATION GUIDELINES



- Caution: May be suitable but essential that you refer to Klinger for advice
- Usually Satisfactory, but suggest you refer to Klinger for advice
- Usually Satisfactory to Use Without Reference

NOTE: Chemical compatibility must be considered in all cases.

## TYPICAL SPECIFICATIONS

(Typical values for 1.5mm thick material)

PROPERTIES	VALUES
Min. Temperature	-240°C
Max. Steam Temperature	650°C
Max. Temperature	430°C
Max. Static Pressure	350 Bar
Max. Dynamic Pressure	20 Bar
Max. Speed	5 m/s
pH Range	0-14

This packing should not be subjected to maximums of temperature, pressure and speed simultaneously.

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