

**FLEXITALLIC  
GR163****FLEXITALLIC LIMITED**

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**PRODUCT  
REFERENCE:****FLEXITALLIC GR163****DESCRIPTION:**

**FLEXITALLIC GR163 rings are die-formed from 99.85% pure, exfoliated graphite tape with pockets of PTFE on the inner bore.**

**SERVICE:**

**Flexitallic GR163 has been primarily developed as a high performance valve packing, however it is also suitable for sealing rotating or reciprocating pumps. Flexitallic GR163 possesses excellent chemical resistance to a wide range of chemical media including, acids, alkalis, alcohols, solvents, refrigerants and mineral oils.**

|                                  |                           |
|----------------------------------|---------------------------|
| <b>pH Range</b>                  | <b>0 to 14*</b>           |
| <b>General Temperature Range</b> | <b>-200 to 300 degC**</b> |
| <b>Maximum Shaft Speed</b>       | <b>15 m/s</b>             |
| <b>Maximum pressure</b>          | <b>300 bar</b>            |
| <b>Maximum Chloride Content</b>  | <b>50ppm</b>              |
| <b>Maximum Ash Content</b>       | <b>0.1%</b>               |

**\* Not recommended for use with strong oxidising agents or alkali metals.**

**\*\* The addition of PTFE limits the maximum operating temperature to 300degC**

**AVAILABILITY:**

**Flexitallic GR163 is available in ring form, in bore sizes from 3 mm to 460 mm with a density of 1.6 g/cc as standard. Other densities are available on request.**

**PDS 340 01/2004**

## **HEALTH AND SAFETY**

*Because of the processes which take place during manufacture, the product is believed to present no health and safety hazard and, under normal handling and use it is unlikely that the product will give rise to significant levels of exposure to constituent materials.*

*FLEXITALLIC GR163 contains exfoliated graphite and PTFE.*

*Under harsh mechanical treatment (e.g. abrasion) the constituents may give rise to irritant dust which, in extreme cases of exposure, could lead to more serious respiratory problems. Occupational exposure to such dusts should therefore be minimised and kept below relevant national exposure limits. Good standards of hygiene should be applied during cutting, installation and removal and packing residues should be disposed of by transfer to a site appropriately licensed to accept industrial materials of this nature.*

*Although the constituents are non-flammable, at elevated temperatures or in sustained fire, decomposition will occur and give rise to irritant and in some instances harmful or toxic fumes.*

*For more detailed information, reference must be made to our Health and Safety Bulletin, Sections 1, 2, 2.10, 2.11, 3 and 3.4. This will enable you to carry out any necessary assessment of risk which may be required under national or local legislation.*

**PDS 340 01/2004**

**This Data Sheet relates to the material as supplied. The information contained herein is given in good faith, but no liability will be accepted by the Company in relation to same.**

**The acquisition of additional information may necessitate revision to parts, or all, of this Data Sheet, and such information will be supplied as it becomes available.**

**The information given and, in particular, any parameters, should be used for guidance purposes only. The Company does not give any warranty that the product will be suitable for the use intended by the Customer.**