

## Flexitallic GR160

Flexitallic GR160 die-formed graphite rings, are manufactured from high purity (99.85%), nuclear grade, exfoliated graphite.

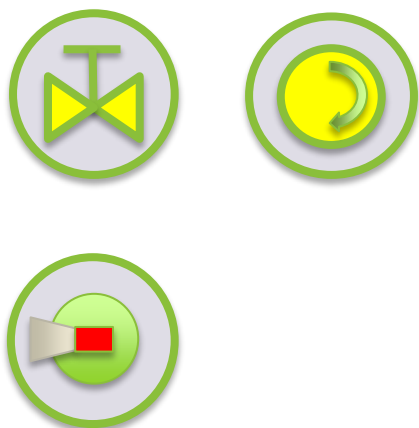


Flexitallic **GR160** rings are primarily a high performance valve packing. Also suitable for sealing rotary and reciprocating pumps. Utilising high purity grade graphite, the **GR160** rings possess excellent chemical resistance and can be used across a wide range of chemical media including oils, solvents, acids and alkalis.

Available in ring form, whole (solid) or split (single scarf cut or in halves). Shape and sizes are pre-determined by the tooling.

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

- Materials of construction: **99.85%** purity nuclear grade exfoliated graphite foil. *Industrial grade 98% purity available on request.*
- Colour: **Dark Grey / Black - shiny.**
- Typical applications: **Isolating & Control Valves stem seals and seat rings, Pumps, Mechanical Seals.**
- Maximum ash Content: **0.15%**



This Data Sheet refers 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.

We reserve the right to change the details given on this Data Sheet as additional information is acquired. Customers requiring the latest version of this Data Sheet should contact our Applications Engineering Department.

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.

#### Health & Safety

For further Health and Safety information please see the relevant Material Safety Datasheets or contact Flexitallic UK Ltd.

Temperature: Maximum	550 °C (1022 °F) Steam – 650 °C (1202 °F) Non-oxidising Media - >1600 °C (2912 °F)
Minimum	-200 °C (-328 °F)
Pressure: Maximum	Valve – 100 MPa (14500 psi) Rotating – 2 MPa (290 psi) Reciprocating – 10 MPa (1450 psi)
Speed: Maximum	Rotating – 15 m/s (2953 fpm) Valve – 2 m/s (394 fpm) Reciprocating – 2 m/s (394 fpm)
pH Range	0 – 14
Density	Standard – 1.60 g/cc 1.35 g/cc Min. up to 1.85 g/cc Max.