

## Flexitallic Enviroflex™ Hot



Flexitallic Enviroflex™ Hot is a high performance, high temperature 'Low Emission' valve stem set.



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.

Flexitallic **Enviroflex™ HOT stem set** is supplied as a six or seven ring set. Each set is comprised of three central die-formed graphite rings using 99.85% purity exfoliated graphite, one braided graphite over-knitted with Inconel wire inner header ring, one inner footer Thermiculite™ TR160 ring and two braided Thermiculite™ TH894 (header and footer) end rings. The TR160 inner footer ring is optional (space dependent) and the Thermiculite™ TH894 braided rings provide a thermal oxidation barrier to protect the graphite rings at high temperatures. These materials are inherently Fire Safe. This is a static seal only.

Available in solid ring form only (braided graphite and Thermiculite™ rings have a single split).

**NOT** recommended for use with strong oxidising agents, alkali metals, Hydrofluoric Acid and Fluorine gas.

- Materials of construction: **99.85%** purity nuclear grade exfoliated graphite foil and braided graphite packing with Inconel wire, Exfoliated Thermiculite™ (die-formed and braided).
- Colour: **Dark Grey / Black – shiny and Golden Yellow**
- Typical applications: **Isolating & Control Valves stem seals.**
- Maximum ash Content: **0.15%**
- Maximum Leachable Chlorides: **50 ppm**

<b>Temperature: Maximum</b>	<b>650 °C (1200 °F)</b>
<b>Minimum</b>	<b>-200 °C (-328 °F)</b>
<b>Pressure: Maximum</b>	<b>Valve – 86 MPa (12470 psi)</b>
	<b>Rotating – N/A</b>
<b>Speed: Maximum</b>	<b>Valve only – 1 m/s (197 fpm)</b>
<b>pH Range</b>	<b>0 – 14</b>