



FLEXITALLIC LIMITED

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**PRODUCT
REFERENCE:**

FLEXITALLIC 306

DESCRIPTION:

Flexitallic 306 is a high quality packing manufactured from high purity exfoliated graphite reinforced with inconel wire.

SERVICE:

Flexitallic 306 is a conformable, naturally lubricious braided packing primarily designed for use in high pressure, high temperature valve sealing applications. The soft compressible nature of Flexitallic 306 gives rise to good sealing performance at relatively low loads making the packing particularly suitable for sealing actuated valves. In addition, the packing is reinforced with inconel wire giving rise to increased dimensional stability at extremes of temperature and pressure, whilst aiding packing extraction. Flexitallic 306 has excellent chemical resistance and is suitable for use in applications involving a wide range of chemical media (with the exception of strong oxidisers). Typical industries would include petrochemical and power generation.

pH Range 0 to 14*

Maximum Temperature (air) 460 degC**

Maximum Pressure 300 bar

Maximum Shaft Speed 2 m/s

*** Not suitable for use with strong oxidising agents such as oleum, aqua regia and fuming nitric acid.**

**** Maximum Temperature (steam) 650 degC.**

AVAILABILITY:

The following square material is available in coils:

mm 3.0, 5.0, 6.5, 8.0, 9.5, 12.5, 14.0

mm 16.0, 19.0 22.0, 25.0

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.

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 306 contains exfoliated graphite and inconel wire.

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 a 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, 2.11, 3 and 3.2. This will enable you to carry out any necessary assessment of risk which may be required under national or local legislation.

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