

Flexitallic 304

Flexitallic 304 compression packing, is constructed by X-braiding high quality Carbon yarn impregnated with high performance lubricant, corrosion inhibitors and sacrificial zinc, reinforced with Inconel wire.



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 304 can be used in valve stems, rotary and reciprocating applications handling most chemical media. Flexitallic 304 is particularly suitable for use in stainless steel equipment handling high temperature and high pressure fluids, where corrosion issues may be encountered. The Inconel wire reinforcement provides stability and aids extraction from gland housings. Typical sealing applications include use in power generation (steam), chemical and petrochemical industries.

- Materials of construction: Carbon fibre yarn, pre-treated with high performance lubricants. Inconel wire reinforcement with corrosion inhibitors and sacrificial zinc included. Graphite coating added.
- Colour: Black (dull).
- Typical applications: Valve stems, rotary and reciprocating pumps.

Temperature: Maximum	430 °C (806 °F)
Minimum	-50 °C (-58 °F)
Pressure: Maximum	Rotating – 2.5 MPa (362 psi) Valve – 20 MPa (2900 psi) Reciprocating – 10 MPa (1450 psi)
Speed: Maximum	Rotating – 20 m/s (3937 fpm) Valve – 2 m/s (394 fpm) Reciprocating – 2 m/s (394 fpm)
pH Range	0 – 14
Standard Sizes (mm sq.)	3.2, 5.0 - 20m spools. 6.0, 6.5, 8.0, 9.5, 10.0, 11.0, 12.0, 12.5, 14.0, 14.5, 16.0, 18.0, 19.0, 22.0, 25.0 – 8m spools