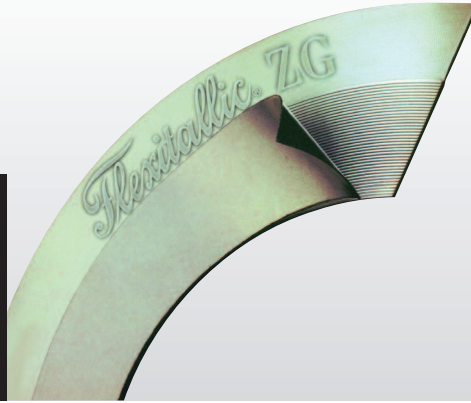


Flexitallic®

PRODUCT DATASHEET

FLEXPRO™ STYLE ZA



Flexpro™ Style ZA is a high performance semi-metallic gasket designed for use on flat and raised faced flanged connections.

Flexpro™

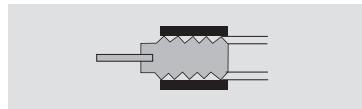
This Data Sheet refers to the material as supplied. The information contained herein is given in good faith, but no liability will be accepted by the Company in relation to same.

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.



It is comprised of a sealing element made from a concentrically serrated metallic core faced with a soft sealing material and a loose outer locating ring fitted into a grooved channel around the edge of the metal core. The sealing element offers high levels of joint integrity across a wide range of compressive loads. The gasket locating ring ensures correct and trouble free positioning of the gasket during installation.

Service:

Flexpro™ Style ZA gaskets have been successfully used for many years and are suitable for use in a wide range of sealing applications. They are capable of effecting a high integrity seal in the most demanding environments, even in load compromised situations. Gasket metallurgy, serration profile and facing material selection can be tailored to suit specific applications. Typical applications include HP and superheated steam, high pressure hydrocarbon and chemical service.

Typical Physical Properties of Facing Foil:

ASME 'Y' Factor	17.2 Mpa (2500 psi)
ASME 'm' Factor	2.0
PVRC 'Gb'	387 psi
PVRC 'a'	0.33
RVRC 'Gs'	14 psi

The above physical properties are applicable for 'standard' serration profile core faced with 0.5mm, 1g/cc Flexicarb foil.

Gasket factors to EN13555 for design calculations to EN1591 are available on request.

Maximum recommended temperature:
1000°C (1830°F)

Maximum recommended pressure:
ASME B16.5 2500lb

Materials:

Facing material*: Flexicarb, Thermiculite®, Sigma®, Silver.

Serrated metallic core**:
Austenitic stainless steel, Inconel.

**Material combination dependent.*

***Other, customer specified materials may be available on request.*

Flexpro™ ZA gaskets can be supplied to suit standard pipeline DIN or ASME flanges or to bespoke arrangements for pressure vessels or ancillary plant and equipment. Available serration profiles include 'standard', 'shallow P' and 'modified shallow or ball profile'.

Availability:

Gasket size: Up to 5000mm

Thickness: 5.0mm

Other thicknesses may be available on request or may be used when design constraints dictate.

Please contact Applications Engineering Department for applications outside these parameters.



PRODUCT DATASHEET

Health & 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.

Flexpro™ style ZG is a semi metallic gasket comprised of a profiled metallic core faced with a soft sealing material.

Under harsh mechanical treatment (e.g. high speed abrasion etc.) 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 gasket cutting operations and off-cuts should be disposed of by transfer to a site appropriately licensed to accept industrial materials of this nature.

The metallic core is selected for the particular application and is machine finished to remove sharp edge or burr so that ppe are kept to a minimum.

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