

Manufacturers and distributors of sealing
and Jointing Materials

DATA / SPECIFICATION SHEET

Elastagraph



DESCRIPTION

Elastagraph gaskets are made by infusing a seamless layer of flexible graphite at varying densities and thicknesses over a corrugated metallic core. **Elastagraph** utilises a unique corrugated pattern which increases the depth of the groove and the pitch of the corrugation. This greatly improves the gasket's sealability over other corrugated designs.

Elastagraph was developed specifically to solve fugitive emission and sealing problems. It also performs well in bolted joints that experience thermal cycling or limited initial bolt load.

Elastagraph is the most economical way of meeting low emission requirements.

FEATURES

Properties

- Tight seal at low bolt loads
- Can be used when there is insufficient bolt load to seal spiral wound type gaskets
- Outstanding resistance to thermal cycling
- Safe to handle and fit
- Lowest emissions of any corrugated graphite gaskets
- No adhesives
- Excellent chemical stability
- Tolerant to flange imperfections

Practical Benefits

- No sharp edges for safety
- Precompressed graphite resistant to damage and marking during fitting
- Excellent rigidity ensures easy posting between flanges
- Gasket identification prevents incorrectly sized gaskets being fitted
- Excellent anti-stick properties ensures easy removal from flanges

AVAILABILITY

DIN Sizes 10, 16, 25, 40 bar.

ANSI Sizes Class 150 and 300lb. Other sizes available on request.

Also available for vessel and non-standard applications.

PH Range 0-14.

SPECIFICATION

Temperature capabilities -

Cryogenic to 842 °F (450 °C) oxidising
to 1200 °F (650 °C) steam
to 1700 °F (927 °C) non-oxidising

Pressure Ratings -

Vacuum to 4,500 psi (310 bar) Dependent on temperature.

Sealing Material - Flexible Graphite

Widely recognised as the material of choice for applications requiring excellent thermal stability with corrosion resistance (nuclear grade available).

Metal Carrier - 316SS is the standard carrier.

Thickness - 1.6mm

Traditional Constants

M - 3, Y - 3000psi (20.7MPa)

New Constants

Gb - 32psi, a - 0.718psi, Gs - 0.001psi

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