

GraFoil® GTH Flexible Graphite

TECHNICAL DATA SHEET 439

Product Family - Single Layer Material (Adhesive Backed)

Thread sealant paste seals the gaps between threaded metal fittings, prevents leaks and enhances connection durability. It also lubricates threaded joints, seals voids, and prevents rusting, ensuring longevity, and the reliability of threaded connections.

- GraFoil GTH - GTB with Adhesive Tape

GraFoil GTB is a single-layer material that is 98% carbon and is inhibited (service to 525°C/977°F). GraFoil GTB flexible graphite is inhibited against oxidation and corrosion for use in most industrial fluid sealing applications.

Product Overview

GraFoil GTH flexible graphite consists of GraFoil GTB flexible graphite and a pressure sensitive adhesive tape. GraFoil GTF flexible graphite is also available in a crinkled form for making form-in-place gaskets.

Applications

- Thread sealant tape or form-in-place large diameter gaskets
- Threaded joints
- Form-in-place gaskets
- Large diameter flanges

GraFoil GTH Construction

- GraFoil GTB flexible graphite (per NeoGraf technical data sheet 436)
- 0.0005"/0.0127 mm thick polyester
- 0.0012"/0.0305 mm thick acrylic pressure sensitive adhesive
- 74# silicone treated release paper

Typical Properties*

Characteristic	Typical Value
Thickness (Graphite, prior to construction and crinkling)	0.005" (0.13 mm)
	0.010" (0.25 mm)
	0.015" (0.38 mm)
Width	24" (610 mm)
Length	100' (30.5 m)
Crinkling	Available in widths ≤ 1"/25.4 mm
Bulk Density (graphite)	70 lb/ft ³ (1.12 g/cc)

Notes: *Properties listed are typical and cannot be used as accept/reject specifications

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