

# GTB Flexible Graphite

Technical Data Sheet 436

#### **Product Family -** Single Layer Materials - Inhibited (Service to 525°C)

- GTJ Nuclear 99.8% Graphite, D50YP12 or SHELL MESC SPE 85/203
- GTB 98% Graphite, FSA G-604-07 Method A
- SUPER GTO™ 97% Graphite, FSA G-604-07 Method A

#### **Product Overview**

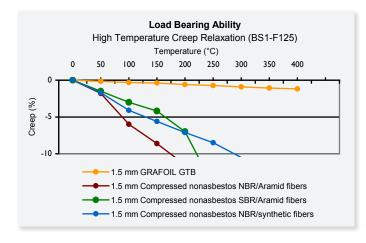
GRAFOIL® GTB flexible graphite is inhibited against oxidation and corrosion for use in most industrial fluid sealing applications.

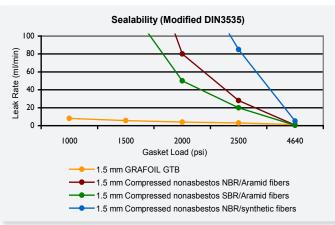
#### **Applications**

Most standard industrial fluid sealing applications, including:

- Chemical
- Petrochemical







While maintaining an effective seal, GRAFOIL® material exhibits virtually no creep relaxation. As a result, the need for periodic bolt tightening is greatly reduced.

### Typical Properties\*

7ypical Value 0.005" (0.13 mm) 0.010" (0.25 mm)
0.015" (0.38 mm) 0.020" (0.51 mm) 0.025" (0.64 mm) 0.030" (0.76 mm) 0.040" (1.02 mm) 0.060" (1.52 mm)
24" (610 mm) 39.4" (1000 mm) - Not 0.005"
100' (30.5 m)
70 lb/ft³ (1.12 g/cc) 62.4 lb/ft3 (1.00 g/cc)
1.8%
98.2%
10 ppm
550 ppm
3%
43% for 70 lb/ft³
15% for 70 lb/ft³
650 psi for 70 lb/ft³
-400°F to 975°F (-240°C to 525°C)
<3% for 70 lb/ft <sup>3</sup>
<1.5 ml/min for 70 lb/ft³
Certify to Grade

- +1 (800) 253-8003 (Toll-Free in USA) +1 (216) 529-3777 (International)

## **Redefining limits**

www.graftech.com | www.grafoil.com

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