

GTE Flexible Graphite

TECHNICAL DATA SHEET 429

Product Family - Single Layer Material (Service to 450°C)

- TG-411 - 99.998% Graphite
- GTE - 98% Graphite
- GTA - Nuclear 99.8% Graphite
- GTC - 97% Graphite
- TG-312 - 99.8% Graphite
- TG-337 - 97% Graphite

Product Overview

GRAFOIL® GTE flexible graphite is used in most industrial fluid sealing applications when inhibition against oxidation and corrosion is not required.

Typical Properties*

| CHARACTERISTIC | TYPICAL VALUE |
|---|--|
| Thickness | 0.020" (0.51 mm) 0.030" (0.76 mm) 0.040" (1.02 mm) 0.060" (1.52 mm) |
| Width | 39.4" (1000 mm) |
| Length | 1000' (305 m) |
| Bulk Density | 70 lb/ft ³ (1.12 g/cc) |
| Ash Content | 1.8% |
| Carbon Content | 98.2% |
| Leachable Chloride | 10 ppm |
| Sulfur Content | 800 ppm |
| Compressibility at 5000 psi (35 MPa) load | 40% |
| Recovery after 5000 psi (35 MPa) load | 13% |
| Tensile Strength | 450 psi |
| Temperature Use Range | -240°F to 850°F (-150°C to 450°C) |
| Certification | Certify to Grade |

Notes:

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

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