

TG-337 Flexible Graphite

TECHNICAL DATA SHEET 183

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

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

Product Overview

GRAFOIL® TG-337 flexible graphite is designed to allow more variation in ash content and density than in GRAFOIL® GTC flexible graphite.

Typical Properties*

CHARACTERISTIC	TYPICAL VALUE
Thickness	0.015" (0.38 mm) 0.025" (0.64 mm) 0.030" (0.76 mm)
Width	39.4" (1000 mm)
Length	100' (30.5 m)
Bulk Density	62.4 lb/ft ³ (1.0 g/cc)
Ash Content	3%
Carbon Content	97%
Moisture	0.1%
Leachable Chloride	20 ppm
Sulfur Content	800 ppm

CHARACTERISTIC	TYPICAL VALUE
Compressibility at 5000 psi (35 MPa) load	45%
Recovery after 5000 psi (35 MPa) load	10%
Tensile Strength	400 psi
Creep Relaxation at 3000 psi (20 MPa) load for 22 hours at 100°C	4%
Sealability at 1000 psi (7 MPa) load, at fluid pressure 20 psi	0.4 ml/hr
Certification	Certify to Grade

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

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