



EGC Enterprises, Inc.

140 Parker Court
Chardon, Ohio 44024
Phone: (440) 285-5835

PRODUCT DATA SHEET

PDS-255

REV. -

TITLE: Thermafoil® Grade BE (TF-BE)

INFORMATION ON THIS PRODUCT DATA SHEET IS TYPICAL, SUBJECT TO CHANGE WITHOUT NOTICE AND DOES NOT CONSTITUTE A SPECIFICATION OR PRODUCT WARRANTY.

Thermafoil® Grade BE is a high purity monolithic flexible graphite material that is well suited for many automotive and industrial fluid sealing applications. This material is compatible with most chemicals including oils, fuels, alcohols, strong acids and strong bases (pH 0-14)*. Thermafoil® Grade BE is highly conformable, capable of sealing very smooth surfaces as well as those that are irregular or pitted. It can be easily cut, formed or molded into seals and gaskets to suit many specific applications. This material is supplied in rolls on a 3" cardboard core.

GRAPHITE CHARACTERISTIC	TYPICAL VALUE
Density	70 lb/ft ³ (1.1 g/cm ³)
Ash Content	1%
Carbon Content	99%
Sulfur Content	900 ppm
Compressibility	42%
Recovery	14%
Creep Relaxation	2%
Contains Oxidation/Corrosion Inhibitor	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Temperature Use Range (in air)	-400°F to 850°F and (-240°C to 450°C)
Shelf Life	Unlimited
Thickness Tolerance	± 0.002 in. (± 0.05 mm) OR ± 0.001 in. (<± 0.025 mm) <i>for foil less than 0.010" (0.25 mm) thick</i>
Width Tolerance	+/- .196" (+/- 5 mm)
Roll Length Tolerance	+ 39.37/- 0 in. (+1/-0m)

* Material is not for use with strong oxidizing chemicals



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Revision/Description/Date/Initial:

- Release 2/13/20 BP

Related Procedures/Standards (for EGC only):

12574-P-27000 SERIES Flexible Graphite
SQR-260

Brian Butler

2-13-2020

Department Manager Approval

Date