

PRODUCT DATA SHEET	PDS-256	REV. -
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TITLE: Thermafoil® Grade LHRE (TF-LHRE)

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

Thermafoil® Grade LHRE is a laminated gasket material made with two layers of high purity TF-BE grade flexible graphite and a single layer of stainless steel foil. The graphite foil layers are adhesively bonded to both sides of the stainless steel foil insert to create a strong, chemically resistant, high-temperature gasketing material. The stainless steel foil inner layer improves handling, durability and is easy to cut. This highly conformable material will seal a wide variety of fluids over a large temperature range. This material is supplied in laminated sheets.



MATERIAL PROPERTIES	TYPICAL VALUE
Graphite Density	70 lb/ft ³ (1.1 g/cm ³)
Graphite Ash Content	1%
Graphite Carbon Content	99%
Graphite Sulfur Content	900 ppm
Compressibility	40%
Recovery	12%
Graphite 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)
Foil Insert Material	300 Series Stainless Steel
Foil Insert Thickness	.002" (0.05 mm)
Foil Insert Finish	Flat / Mill Finish
Adhesive Thickness	.0005" (0.01 mm)
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>
Laminate Width	39.4" & 60" +/- .196" (1000 mm & 1524 mm +/- 5 mm)
Laminate Length	39.4" & 60" +/- .196" (1000 mm & 1524 mm +/- 5 mm)



EGC Enterprises, Inc.

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

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Revision/Description/Date/Initial:

- Release 2/13/20 BP

Related Procedures/Standards (for EGC only):

12524-P-55000 SERIES Flexible Graphite
SQR-262

Bob Bette

2/13/2020

Department Manager Approval

Date