



# EGC Enterprises, Inc.

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## PRODUCT DATA SHEET

PDS-182

TITLE Thermafoil® TF-LTF

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

### Description:

Thermafoil® TF-LTF flexible graphite is an adhesive backed premium graphite sheet or tape made with Thermafoil® Grade A flexible graphite adhesively bonded to .0005" thick polyester carrier with a .0012" thick acrylic pressure sensitive adhesive face. The adhesive face is protected with a 74# silicone treated release paper.

Thermafoil® TF-LTF meets the General Electric Nuclear Energy Specification for nonmetallic materials per D50YP12 Rev. 2 or Appendix A of GE Spec. NEDC31735P.

Graphite Base Properties	Typical Value
Carbon Content	≥ 99%
Leachable Chloride	< 50 ppm
Sulfur Content	< 630 ppm
Nitrates	< 820 ppm
Nitrites	< 10 ppm
Total halogens	< 600 ppm
Compressibility	43% for 70 lbs./ft <sup>3</sup>
Recovery (resiliency)	14% for 70 lbs./ft <sup>3</sup>
Creep	4% for 70 lbs./ft <sup>3</sup>
Nominal Density	70 lb. / ft <sup>3</sup>
Temperature Range	-400 to 850° F (-240 to 450° C) in air

### Availability:

Available thicknesses: .007", .012", .017", .032"

Width tolerance: Rolls up to 1" wide ± 1/32"  
Rolls 1" to 24" wide ± 1/8"

Standard Length: 25', 50', 100'

*Brian Biller* 5-13-14

Department Manager Approval

Date