



**EGC Enterprises, Inc.**

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

**PRODUCT DATA SHEET**

**PDS-162**

TITLE Thermafoil® Grade TF-LHR-A

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

**Description:**

Thermafoil® Grade TF-LHR-A is a metal reinforced laminate consisting of multiple layers of TF-A high quality, nuclear grade, flexible graphite material adhesively bonded with .002" thick 300 series stainless steel foil. TF-A flexible graphite meets General Electric Nuclear Non-metallic Specification D50YP12 (Rev 2).

| 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          | 40% 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>         |
| Densities available      | 50, 70, or 85 lbs./ft <sup>3</sup>     |
| Temperature Range        | -400 to 850°F* (-240 to 450°C*) in air |

\* Thermafoil® may be used at higher temperatures in non-oxidizing environments or with non-oxidizing fluids such as steam.

 7-23-14  
 Department Manager Approval Date