



EGC Enterprises, Inc.

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PRODUCT DATA SHEET

PDS-114

TITLE Thermafoil® TF-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 A is a premium, monolithic, flexible graphite sheet material containing no fillers or binders. It is certified to meet the most rigorous purity specifications of the nuclear industry, including the U.S. Navy Mil-Spec. MIL-P-24503B (SH), and the General Electric Nuclear Nonmetallic Material Specification D50YP12 (Rev 2).

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 ³
Recovery (resiliency)	14% for 70 lbs./ft ³
Creep	4% for 70 lbs./ft ³
Densities available	50, 70, or 85 lbs./ft ³
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.

 7-17-14
Department Manager Approval Date