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PRODUCT DATA SHEET

PDS-150

TITLE Thermafoil® TF-J

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 J is a premium, monolithic, flexible graphite sheet material containing no binders with a non-metallic, inorganic, passive oxidation / corrosion inhibitor. It is certified to meet the most rigorous purity specifications of the nuclear industry, including the U.S. Navy Mil-Spec. MIL-P-24503A (SH), and the General Electric Nuclear Nonmetallic Material Specification D50YP12 (Rev 2).

Characteristic	Specification
Ash Content	< 1%
Carbon Content	> 99%
Leachable Chloride	< 50 ppm
Sulfur Content	< 630 ppm
Compressibility	43% for 70#/ft ³ (1.1g/ccm)
Recovery	15% for 70#/ft ³ (1.1g/ccm)
Creep Relaxation	3% for 70#/ft ³ (1.1g/ccm)
Passive Corrosion Inhibitor	Yes
Available Densities	50, 70, or 85#/ft ³ (.8, 1.1, or 1.4g/ccm)
Density Tolerance	+/-10%
Thickness Tolerance	+/-10%
Temperature Range	-400 to 975°F* (-240 to 525°C*)

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


Department Manager Approval

4/12/13
Date