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PRODUCT DATA SHEET

PDS-113

TITLE Thermafoil® TF-B

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 B is a standard industrial, monolithic flexible graphite material. Thermafoil® Grade B graphite may contain optional added oxidation / corrosion inhibitors. This material will seal a wide variety of fluids over a large temperature range.

Material Properties:

CHARACTERISTIC	TYPICAL VALUE
Carbon content	≥ 98%
Ash Content	≤ 2%
Leachable Chlorides	≤ 50ppm
Sulfur Content	< 550ppm
Density Tolerance	± 10%
Compressibility*	43% typical for 70 lb/ft³
Recovery*	>14%
Creep Relaxation*	< 4%
Oxidation weight loss	3%
Tensile Strength	650 psi typical for 70 lb/ft³
Temperature Use Range	-400°F to 975°F (-240°C to 525°C)
Sealability	<1.5ml/min

Material available in 50-90#/ft³ ±10% density and 0.010", 0.015", 0.020", 0.025", 0.030" and 0.060" thickness

* Depends on material density (Data shown based on 70lbs/cu. Ft density)

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

 10/22/13
Department Manager Approval Date