

**EGC Enterprises, Inc.**140 Parker Court  
Chardon, Ohio 44024  
Phone: (440) 285-5835**PRODUCT DATA SHEET****PDS-170**

TITLE THERMAFOIL® TF-S

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-S is a homogeneous purified natural flake material containing no fillers or binders that is expanded under heat and then compressed into continuous sheeting. It is certifiable to meet the most rigorous purity specifications of the nuclear industry and has been certified for critical nuclear applications including the U.S. Navy Mil-Spec. MIL-P-24503A (SH), and the General Electric Nuclear Nonmetallic Material Specification D50YP12 (Rev 2).

Properties

Bulk Density, lb/ft <sup>3</sup>	70
Area Weight, oz/yd <sup>2</sup>	6.7-100.8
Thickness, in	0.008-0.060
Bulk Density, g/cc	1.12
Area Weight, g/m <sup>2</sup>	228-3420
Thickness, mm	0.20-1.52
Tensile Strength, psi	500
Compressibility, %	40
Recovery, %	14
Creep, %	4
Carbon Content, %	>99.0
Moisture	<1.0
Ash Content	<1.0
Sulfur, PPM	<200
Leachable Chlorides	<10
Phosphorous, PPM	<100

*Jennifer Klein*  
\_\_\_\_\_  
Department Manager Approval

*3/19/13*  
\_\_\_\_\_  
Date