



EGC Enterprises, Inc.

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

PRODUCT DATA SHEET

PDS-212

TITLE Thermafoil® TF-LUC

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

Description:

TF-LUC is a laminate sheet material constructed with a flexible graphite core of industrial grade Thermafoil® Grade B (TF-B) adhesively bonded using acrylic pressure sensitive adhesive between .002" thick 300 series stainless steel foil sheets on outer surfaces.

The additional structure of stainless steel outer layers provides mechanical support and tensile strength for improved handling and durability of the sheet and products cut from the sheet. By way of its outer metal layers, TF-LUC is useful in gasket applications where disassembly and reassembly are required. The metal outer layers keep the inner Thermafoil layer from sticking to mating flange faces upon disassembly, while the graphite inner layer remains conformable and resilient to assure sealing throughout continuous high temperature thermal cycles.

Base Graphite Material Properties:

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

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

Graphite Material available in 50-90#/ft³ ±10% density

Standard thickness of laminate available up to .064"

Laminate Size 24" x 24" up to 24" x 60" sheets

 7-31-14
 Department Manager Approval Date