



EGC Enterprises, Inc.

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

PRODUCT DATA SHEET

PDS-132

TITLE Thermafoil® TF-LAP (Alta Pressione)

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-LAP (Alta Pressione) is a high-strength laminate material comprised of alternating layers of high quality industrial grade graphite foil (Grade K) and .002" (0.05 mm) thick 316 or 321 stainless steel foil. The .02"-.03" thick layers of graphite contain an added inorganic, non-metallic, passive oxidation / corrosion inhibitor. Thermafoil® TF-LAP has an excellent blowout resistance and is well suited to handle gasket pressures over 40,000 psi and internal pressures up to 3500psi. Thermafoil® TF-LAP properties are ideal for a variety of high-pressure applications including flange gaskets, body seals, and bonnet gaskets.

Graphite Base Characteristic	Typical Value
Carbon Content	≥ 98%
Leachable Chloride	≤ 50 ppm
Sulfur Content	≤ 1000 ppm
Phosphorous	≥ 800 ppm
Compressibility	40% for 70#/ft ³ (1.1 g/ccm)
Recovery	14% for 70#/ft ³ (1.1 g/ccm)
Creep Relaxation	4 % for 70#/ft ³ (1.1 g/ccm)
Density	70#/ft ³ (1.1 g ccm) ± 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

3-5-15

Date