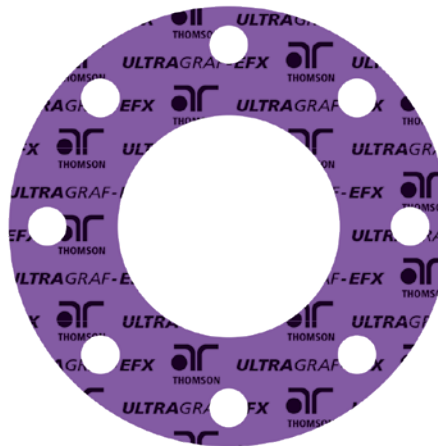


Thomson ULTRAGRAF® EFX

UltraGraf EFX combines the unique Flexmet® insert and Premium Flexible Graphite with oxidation inhibitor.



FEATURES/BENEFITS

- **316L Flexmet Insert:**
 - Reduced sharp edges for safer handling.
 - Easier fabrication.
 - More even bolt loading and greater load retention during cycling.
- **EFX Graphite** is a premium grade flexible graphite with high purity and excellent oxidation resistance.
 - Superior volume retention for a tighter, long term seal.
- **Thomson Sure-Release® Anti-Stick** treatment makes gasket removal quicker and easier.
- **Improved surface finish:** Results in a more robust, less fragile gasket.
- **Easy to cut** onsite with industrial scissors, M3 handwheel and electric cutters.
- **Plus all the benefits of Flexible Graphite:**
 - No fillers or binders allowing greater chemical range.
 - Excellent chemical compatibility.
 - Extreme temperatures and pressure.
 - Conforms well to surface irregularities.

TYPICAL APPLICATIONS

- Gaskets in a broad range of chemicals and hydrocarbons as well as high pressure steam.
- Chemical, petrochemical, oil refinery, pulp and paper, and power generation industries including nuclear power plants.

SPECIFICATIONS

Construction:

Premium quality, oxidation-resistant flexible graphite laminated to a unique, acid-resistant FlexMet insert.

Temperatures:

Minimum: -328°F (-200°C)
 Maximum: +1300°F (+704°C)
 Continuous: +850°F (+454°C)

Pressure, max: 2500 psi

Color: Mauve with black branding.

See reverse for technical data.

Sheet Sizes:

- Custom shapes and standard flange gaskets.
- Standard thicknesses: 1/32", 1/16" & 1/8" 59" x 59" sheets.
- Other sheet sizes & thicknesses available upon request.

CERTIFICATIONS



API 6FB Fire Safe

TECHNICAL DATA - ULTRAGRAF® EFX

Physical Properties

TYPICAL PHYSICAL PROPERTIES

Oxidation Rate: %	< 3
Oxidation Inhibitor: Y/N	Yes
Leachable Chloride: ppm	< 30
Sulfur Content: ppm	< 300
Purity: %	≥ 98
Ash Content: ppm	< 2
Density (Graphite only - without insert): lb/ft ³	65
SS 316L Insert: inch	0.015
Compressibility ASTM F36A: %	35
Recovery ASTM F36A: %	22
Creep Relaxation ASTM F38B: %	10
Stability Under Stress DIN 52913 (572°F): N/mm ²	> 48
Sealability DIN 3535 (0.060"): ml/min	0.5

"M & Y" FACTORS

Thickness		"m"	"y"
in	mm	(no units)	psi
1/16	1.6	3.5	2350
1/8	3.2	4.5	3650

NOTES

Flexible Graphite material is not recommended for Glass or Ceramic flanges. Consult an A.R. Thomson Group representative for temperatures or pressures nearing the maximum rating. When approaching maximum or minimum temperatures, or maximum operating pressure, consult A.R. Thomson Group.

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