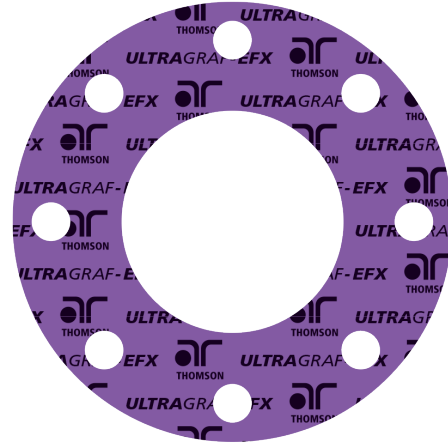


# Thomson ULTRAGRAF® EFX

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

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

### AUTHORIZED DISTRIBUTOR

**Limitation of liability:** actual performance may vary and is determined by factors unique to a given application. It is recommended that care be taken in the selection and application of materials for hazardous services and controlled testing be undertaken to determine suitability for a specific application. A.R. Thomson Group does not make or imply any warranty of suitability for a particular purpose and is not liable for any damages arising from the use of the information in this sheet.



Locations across Canada to serve you. For your nearest branch, please visit [www.arthomson.com](http://www.arthomson.com)

Copyright © A.R. Thomson Group - All rights reserved. v1.8