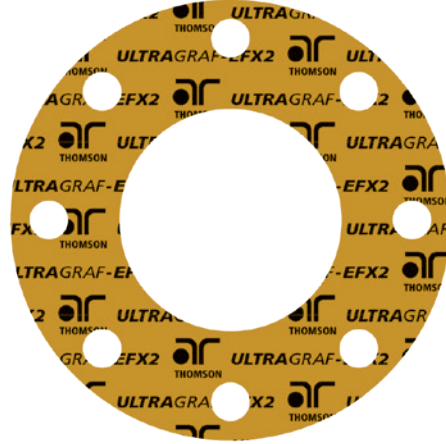


## Thomson **ULTRAGRAF® EFX2**

UltraGraf EFX2 is composed of high purity Flexible Graphite with the highest oxidation resistance available (<1%). It also features the unique Flexmet™ metal insert.



### FEATURES/BENEFITS

- **New 316L Flexmet Insert:**
  - Greatly reduced sharp edges.
  - Easier to fabricate.
  - Promotes more even loading and greater load retention during cycling.
- **EFX2 Flexible Graphite** is among the purest and most oxidation resistant graphite in the market.
  - High purity means significantly reduced volume loss and a tighter, long term seal.
  - Meets the most demanding graphite specifications in the industry.
- **Thomson Sure-Release™ Anti-Stick** treatment makes gasket removal quicker and easier.
- **Updated surface finish:** Results in a more robust, less fragile gasket.
- **Plus all the benefits of Flexible Graphite:**
  - No fillers or binders allowing greater chemical range.
  - Stainless insert reduces creep relaxation.
  - 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.
- Fire Safe.

### SPECIFICATIONS

#### Construction:

High Purity Flexible Graphite with optimal oxidation resistance 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:** Gold with Black branding.

See reverse for technical data.

### AVAILABILITY

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

## TECHNICAL DATA - ULTRAGRAF™ EFX2

### Physical Properties

#### TYPICAL PHYSICAL PROPERTIES

<b>Oxidation Rate:</b> %	< 1
<b>Oxidation Inhibitor:</b> Y/N	Yes
<b>Leachable Chloride:</b> ppm	< 25
<b>Sulfur Content:</b> ppm	< 300
<b>Purity:</b> %	≥ 98
<b>Ash Content:</b> ppm	< 2
<b>Nominal Thickness:</b> inch, (+/-10%)	0.030 – 0.120
<b>Density (Graphite):</b> lb/ft <sup>3</sup>	90
<b>316LSS Insert:</b> inch	0.02
<b>Compressibility:</b> %	34
<b>Recovery:</b> %	35
<b>Creep Relaxation:</b> %	2
<b>Sealability</b> DIN 3535 (0.060"): ml/min	0.5

### 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

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