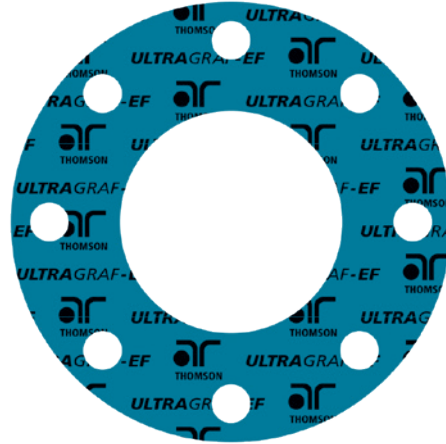


## Thomson ULTRAGRAF® EF

UltraGraf 'Easy Fab' is the latest technology in Flexible Graphite offering safer handling and easier/faster fabrication.



### FEATURES/BENEFITS

- **New 316L Flexmet™ Insert:**
  - Greatly reduced sharp edges.
  - Easier to fabricate.
  - Promotes more even loading and greater load retention during cycling.
- **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:

Pure Homogeneous Flexible Graphite laminated to a unique acid-resistant 316L Flexmet insert.

#### Temperatures:

Minimum: -328°F (-200°C)

Maximum: +1200°F (+648°C)

Continuous: +850°F (+454°C)

**Pressure, max:** 2000 psi

**Color:** Sea Blue 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® EF

### Physical Properties

#### TYPICAL PHYSICAL PROPERTIES

<b>Oxidation Rate:</b> %	< 5
<b>Oxidation Inhibitor:</b> Y/N	No
<b>Leachable Chloride:</b> ppm	< 50
<b>Sulfur Content:</b> ppm	< 1000
<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: %	12
<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	4.5	1740
1/8	3.2	5.5	4351

### 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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