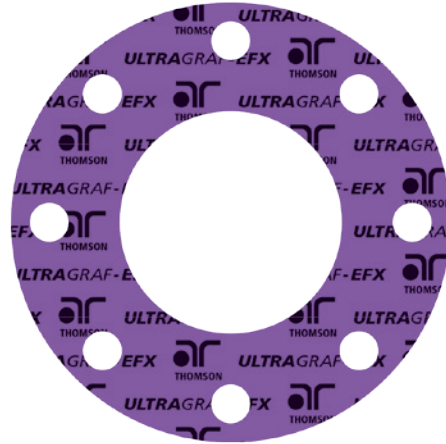


Thomson ULTRAGRAF® EFX

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



FEATURES/BENEFITS

- **New 316L Flexmet Insert:**
 - Greatly reduced sharp edges.
 - Easier to fabricate.
 - Promotes more even loading and greater load retention during cycling.
- **EFX Flexible Graphite** is a premium graphite with high purity and excellent oxidation resistance. High purity means significantly reduced volume loss and a tighter, long term seal.
- **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:

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.

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® 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	2320
1/8	3.2	4.5	3626

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
Copyright © A.R. Thomson Group - All rights reserved. v1.5