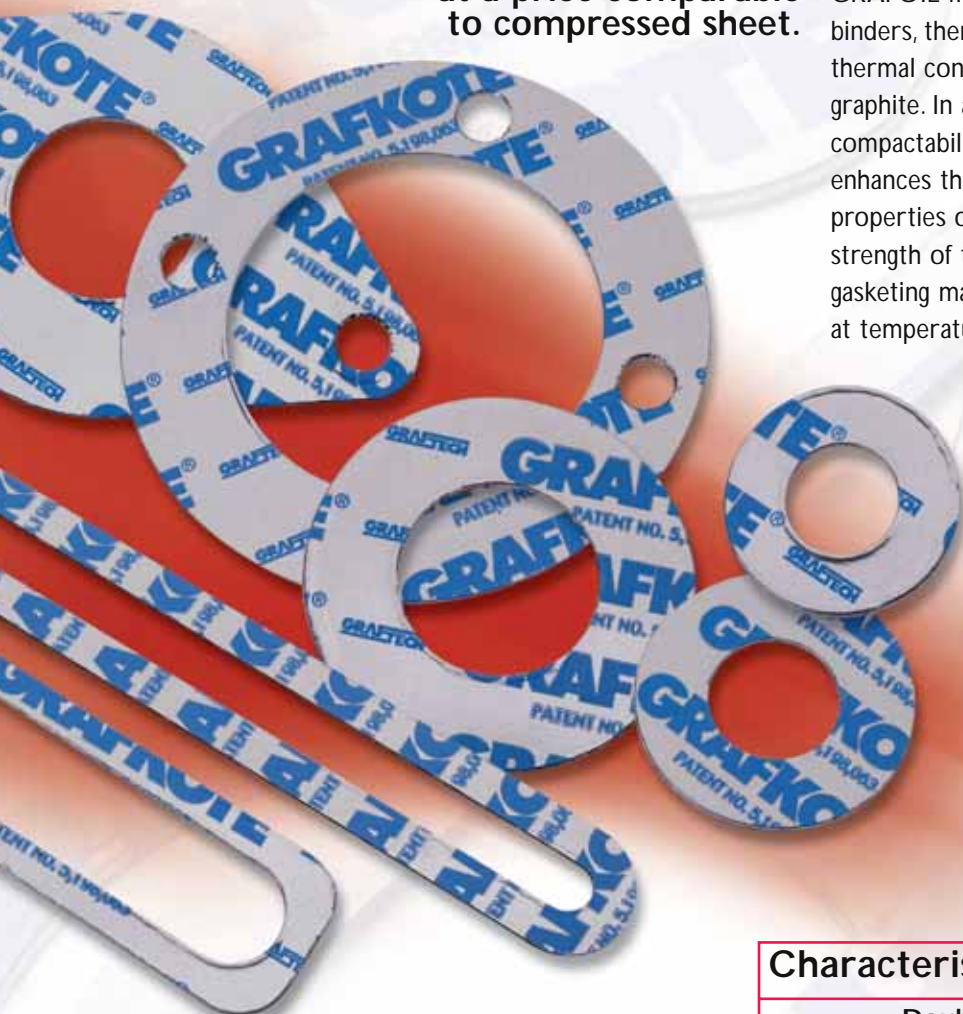


**All the advantages of GRAFOIL flexible graphite at a price comparable to compressed sheet.**

GRAFKOTE is a new generation of GRAFOIL flexible graphite gasket material with a strong, thin polymer coating. The GRAFOIL flexible graphite sheet is manufactured with no binders, therefore giving it the excellent thermal stability, thermal conductivity and chemical inertness inherent to graphite. In addition several complimentary features include compactability and resiliency. The thin polymer coating enhances the product handleability and durability. The unique properties of GRAFOIL flexible graphite along with the strength of the polymer coating make GRAFKOTE an excellent gasketing material. GRAFKOTE can be used for applications at temperatures up to 400° C (750° F).



### Typical Applications:

- Valves
- Pumps
- Pipe Flanges/ASME/API/DIN Flanges
- Glass-lined Equipment
- Steam Traps
- Heat Exchangers
- Compressors

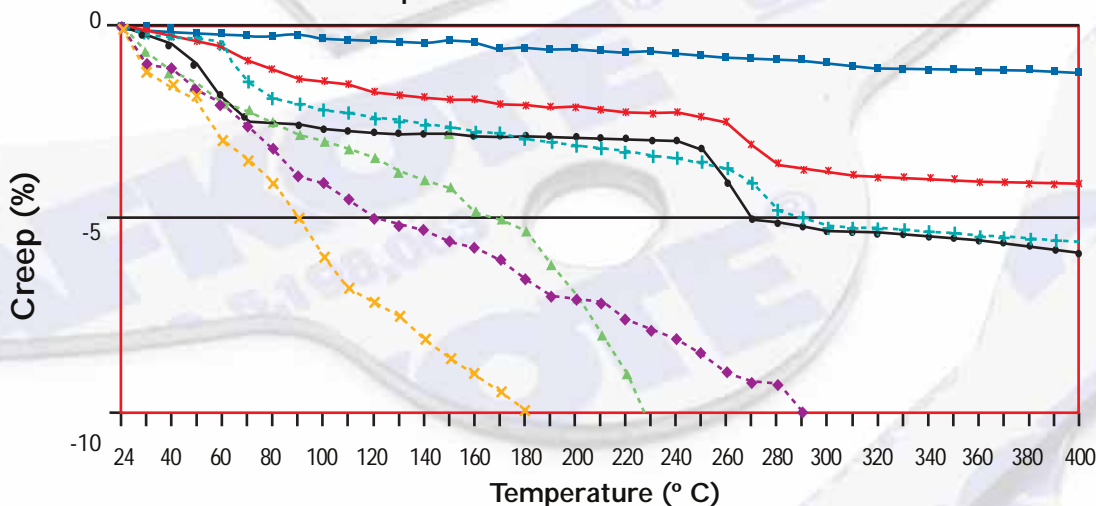
### Advantages of GRAFKOTE:

- Compatible with a wide range of chemicals
- Superior bolt load retention at elevated temperatures
- No hot retorquing necessary
- Superior sealability under low flange loads
- Maximum continuous use temperature 400° C (750° F)
- High surface conformability
- No shelf life limit
- Material availability in rolls allows for maximum material utilization
- Low leachable chloride
- Improved handleability and durability
- Cost effective
- Easily cut

### Characteristics:

<b>Double Sided Thickness:</b>	1.5 mm (1/16") available in rolls and sheets 2.0 mm (0.080") available in sheets 3.0 mm (1/8") available in sheets
<b>Single Sided Thickness:</b>	0.8 mm (1/32") available in rolls and sheets 1.0 mm (0.040") available in rolls and sheets 1.5 mm (1/16") available in rolls and sheets 2.0 mm (0.080") available in sheets 3.0 mm (1/8") available in sheets
<b>Size:</b>	meter wide rolls meter wide sheets made to order sizes available upon request
<b>Compressibility:</b>	ASTM F-36 at 34.5 MPa (5000 psi): 40%
<b>Recovery:</b>	ASTM F-36 after 34.5 MPa (5000 psi): 15%
<b>Carbon Content:</b>	98%
<b>Leachable Chloride:</b>	ASTM F-1277: 10 ppm

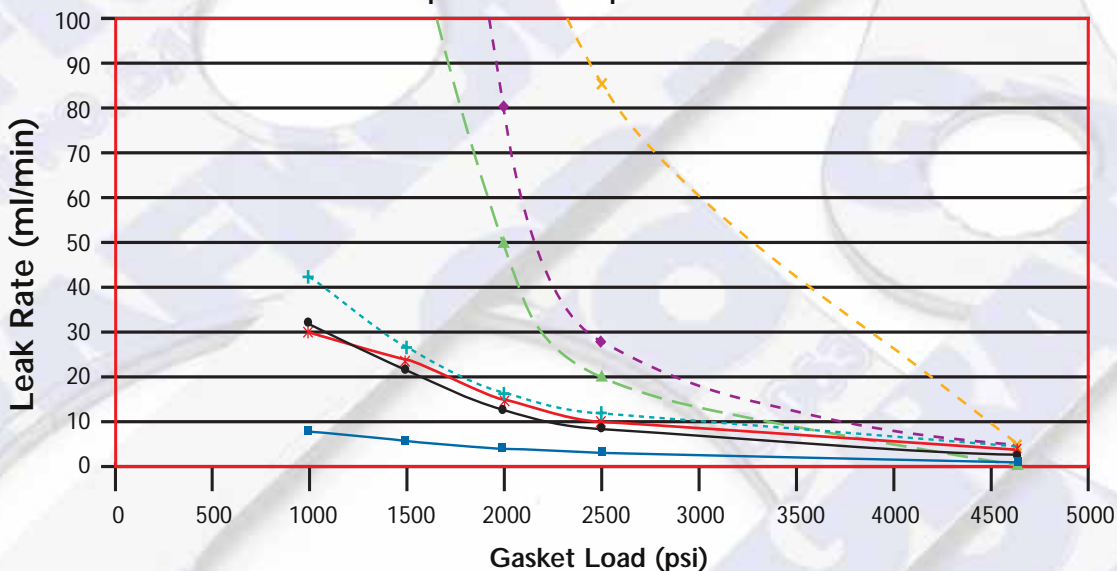
**High Temperature Creep Relaxation BSI-F125  
GRAFOIL® GRAFKOTE® compared to  
Compressed Nonasbestos Fiber materials**



GRAFKOTE single and double sided gasket materials exhibit stability and creep relaxation of less than 10% at temperatures up to 400° C. They maintain a higher bolt torque retention and a better seal in applications of thermal cycling and continued exposure to elevated temperatures. The creep relaxation of GRAFKOTE stabilizes and holds constant with continued elevated temperature exposure, especially when compared to the Compressed Nonasbestos Fiber (CNF) gasket materials. CNF materials continue to creep and degrade with on-going exposure to elevated temperatures.

**Modified DIN 3535 Sealability**

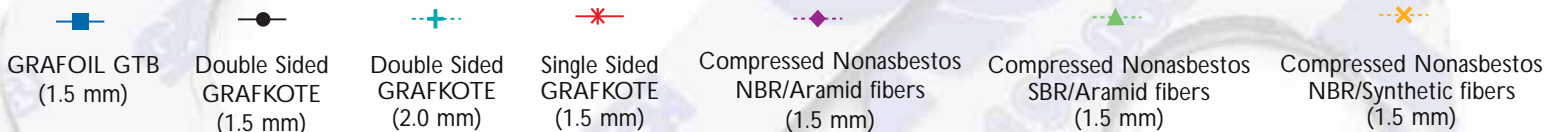
**GRAFOIL GRAFKOTE compared to Compressed Nonasbestos Fiber materials**



GRAFKOTE single and double sided gasket materials have excellent sealability even under low gasket loads. At low gasket loads, GRAFKOTE seals much better than compressed non-asbestos fiber gaskets with rubber binders. The excellent sealability of GRAFKOTE is maintained at temperatures as high as 400° C.

**Test Parameters**

Internal Nitrogen pressure: 580 psi  
No plastic layer  
Gasket size: 90 mmOD x 50 mmID  
Room Temperature  
Serrated ASME flange.



**GRAFKOTE SPECIFICATIONS**

Single-sided and Double-sided GRAFKOTE is a gasketing material consisting of GRAFOIL GT™B flexible graphite sheet and a strong, thin polymer coating on one or both surfaces.

The polymer coating is less than 0.04 mm (0.0015") thick and is thermally bonded to the GTB flexible graphite inner layer.

The GTB flexible graphite inner layer is nominal 1.12 g/cc (70 lb/ft³) density and meets the requirements of Technical Bulletin 103.



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