

SINGLE LAYER MATERIAL

STANDARD GRADES

GTA	Non-inhibited, Nuclear 99.8% graphite
GTJ	Inhibited, Nuclear 99.8% graphite
GTB	Inhibited 98% graphite
GTD	SWG filler material 98.5% graphite
GTX	Highly inhibited

GRAFOIL Grade GTJ

GRAFOIL GTJ premium flexible graphite is an oxidation corrosion inhibited grade developed for use in nuclear applications. It is certified to meet the most rigorous purity specifications of the nuclear industry, including the General Electric Nuclear Nonmetallic Material Specification D50YPI2 (Rev 2) and is typically 99.8% graphite.

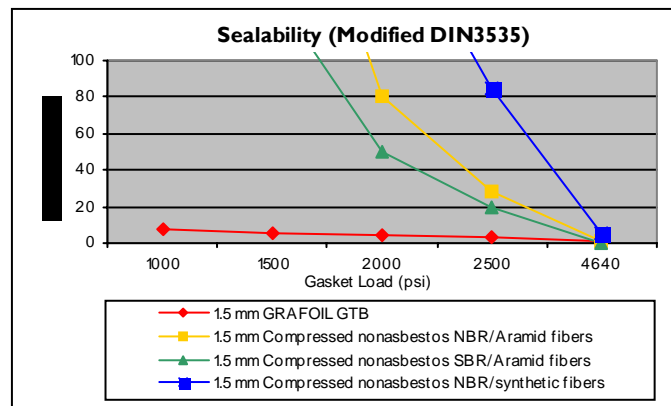
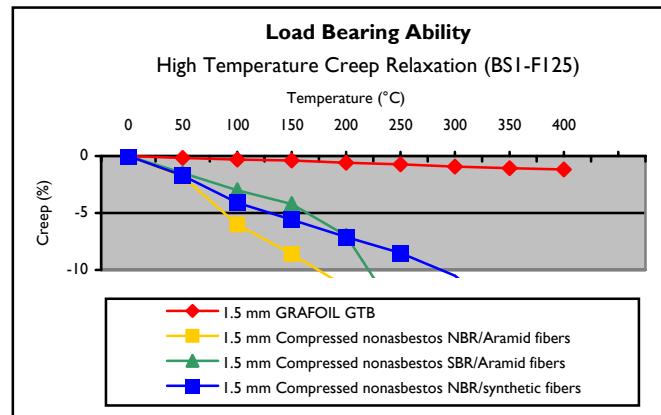


While maintaining an effective seal, GRAFOIL material exhibits virtually no creep relaxation. As a result, the need for periodic bolt tightening is greatly reduced.

APPLICATIONS

- Nuclear
- High Temp, High Purity

Applications that require an oxidation inhibitor



Grade GTJ Typical Properties¹

CHARACTERISTIC	TYPICAL PROPERTY
Thickness	0.010" (0.25 mm) Standard 0.015" (0.38 mm) Standard 0.030" (0.76 mm) Standard <i>Non-standard thicknesses may be available upon request.</i>
Width	24" (610 mm) Standard <i>Non-standard widths may be available upon request.</i>
Length	100' (30.5 m) Standard <i>Non-standard lengths may be available upon request.</i>
Bulk Density	70 lb/ft ³ (1.12 g/cc) Standard <i>Non-standard densities may be available upon request.</i>
Ash Content	0.5% Typical
Carbon Content	99.5% Typical
Leachable Chloride	<10 ppm Typical
Phosphorus	500 ppm Typical
Sulfur Content	450 ppm Typical
Total Chlorides	<50 ppm Typical
Total Fluorides	<50 ppm Typical
Total Halogens	40 ppm Typical
Total Nitrates	10 ppm Typical
Total Nitrites	1 ppm Typical
Mercury (Hg)	<0.5 ppm Typical
Aluminum (Al)	15 ppm Typical
Copper (Cu)	<10 ppm Typical
Temperature Use Range	-400°F to 975°F (-240°C to 525°C)
Certification	Certify to Grade

¹Properties listed are typical and cannot be used as accept/reject specifications. Specifications are listed under Technical Bulletin 102.