



TECHNICAL BULLETIN 435

SINGLE LAYER MATERIAL

STANDARD GRADES

GTA

Non-inhibited, Nuclear 99.8% graphite

GT

Inhibited, Nuclea 99.8% graphite

GTE

nhibited 98% graphite

GTE

SWG filler materia 98.5% graphite

GTX

Highly inhibited

GRAFOIL Grade GTA

GRAFOIL GTA premium flexible graphite is non-inhibited grade developed for use in nuclear or semiconductor applications. It is certified to meet the most rigorous purity specifications of the nuclear industry, including the General Electric Nuclear Nonmetallic Material Specification D50YP12 (Rev 2) and is typically 99.8% graphite.



Grade GTA Typical Properties¹

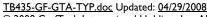
CHARACTERISTIC	TYPICAL PROPERTY
Thickness	0.003" (0.08 mm) Standard 0.005" (0.13 mm) Standard 0.010" (0.25 mm) Standard 0.015" (0.38 mm) Standard 0.020" (0.51 mm) Standard 0.025" (0.64 mm) Standard 0.030" (0.76 mm) Standard Non-standard thicknesses may be available upon request.
Width	24" (610 mm) Standard 39.4" (1000 mm) Standard for 0.015" and 0.020" thick Non-standard widths may be available upon request.
Length	100' (30.5 m) Standard Non-standard lengths may be available upon request.
Bulk Density	70 lb/ft³ (1.12 g/cc) Standard Non-standard densities may be available upon request.
Ash Content	0.2% Typical
Carbon Content	99.8% Typical
Leachable Chloride	<10 ppm Typical
Sulfur Content	450 ppm Typical
Total Chlorides	<50 ppm Typical
Total Fluorides	<10 ppm Typical
Total Halogens	40 ppm Typical
Total Nitrates	10 ppm Typical
Total Nitrites	I ppm Typical
Mercury (Hg)	<0.5 ppm Typical
Phosphorus	30 ppm Typical
Aluminum (Al)	15 ppm Typical
Copper (Cu)	<10 ppm Typical
Temperature Use Range	-240°F to 850°F (-150°C to 450°C)
Certification	Certify to Grade

APPLICATIONS

- Nuclear
- Semiconductor

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For additional information, contact the GrafTech Sales Office: +1 (800) 253-8003 (Toll-Free in USA), +1 (216) 529-3777 (International), +1 (216) 529-3922 (Fax)



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¹Properties listed are typical and cannot be used as accept/reject specifications. Specifications are listed under Technical Bulletin 101.