

Thermal Interface Applications

eGRAF™ THERMAL INTERFACE SPECIFICATIONS

	Specification Range	Metric	Tolerance	Test Method
Bulk Density	50-80 #/ft ³ Avail. (70#/ft ³ Std.)	0.8 – 1.28 g/cm ³ (1.12 g/cm ³)	+/-10% Nominal	ASTM F1315 sample size 4" x 4" x nom. thk.
Thickness	0.005" – 0.030" Available	0.13mm - 0.76mm	Nominal+/-0.002" +/-0.05mm Metric	Hand Held Micrometer
Ash	0.5%	0.5%	Max.	ASTM C C561 min. 1gm sample
Leachable Chlorides	50 ppm	50 ppm	Max.	ASTM F1277
Sulfur	630 ppm	630 ppm	Max.	Leco Combustion
Total Halogens	450 ppm	450 ppm	Max.	Parr Bomb followed by Ion Chromatography
Total Nitrates	820 ppm	820 ppm	Max.	Aqueous Extraction followed by Ion Chromatography
Total Nitrites	5 ppm	5 ppm	Max.	Aqueous Extraction followed by Ion Chromatography

Total Halogens (ppm) + Total Sulfur (ppm) + Total Nitrates (ppm) <13.2ppm
 35.453 48.096 62.004

Total Embrittling Metals:	500 ppm	Max.	X-Ray Fluorescence
Silver (Ag)	200 ppm	Max.	X-Ray Fluorescence
Arsenic (As)	200 ppm	Max.	X-Ray Fluorescence
Zinc (Zn)	200 ppm	Max.	X-Ray Fluorescence
Antimony (Sb)	200 ppm	Max.	X-Ray Fluorescence
Cadmium (Cd)	200 ppm	Max.	X-Ray Fluorescence
Bismuth (Bi)	200 ppm	Max.	X-Ray Fluorescence
Mercury (Hg)	200 ppm	Max.	X-Ray Fluorescence
Gallium (Ga)	200 ppm	Max.	X-Ray Fluorescence
Indium (In)	200 ppm	Max.	X-Ray Fluorescence
Lead (Pb)	200 ppm	Max.	X-Ray Fluorescence
Tin (Sn)	200 ppm	Max.	X-Ray Fluorescence

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