

Technical Bulletin Thermal Interface Applications

TYPICAL SPECTROGRAPHIC ANALYSIS eGRAF™ THERMAL INTERFACE

<u>Element</u>	<u>Quantity*</u>	<u>Key</u>
Al	FT	VFT = 0.001%
B	ND	FT = 0.001 - 0.01%
Ca	VFT	T = 0.01 - 0.1%
Co	ND	L = 0.1 - 1.0%
Cr	ND	M = 1.0 - 10.0%
Cu	VFT	H = 10.0%
Fe	FT	ND = Not Detected
Mg	VFT	
Mn	ND	
Mo	ND	
Ni	VFT	
Pb	ND	
Si	FT	
Sn	ND	
Ti	ND	
V	VFT	
W	ND	
Zn	ND	



Carbon Content: 99.5 w/o minimum.
Ash Content: Up to 0.5 w/o maximum

Based on typical eGRAF Thermal Interface sample the average ash content is 0.5 w/o per ASTM C-561.

<u>Major Ash Constituents</u>	<u>Ash w/o</u>	<u>Percent of Total Ash</u>
1. Al ₂ O ₃	0.08	25
2. SiO ₂	0.14	50
3. Fe ₂ O ₃ & FeSO ₄	0.06	20
4. Misc. Oxides	<u>0.02</u>	<u>5</u>
TOTAL	0.30	100
*This value is only a relative quantity among elements, not absolute quantity.		



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