Technical Bulletin 247



Technical Bulletin Thermal Interface Applications

<u>TYPICAL SPECTROGRAPHIC ANALYSIS</u> <u>eGRAF™ THERMAL INTERFACE</u>

Element	Quantity*	Key	
Al	FT	VFT = 0.001%	
В	ND	FT = 0.001 - 0.01%	
Ca	VFT	T = 0.01 - 0.1%	
Со	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		
Мо	ND		ME.COM
Ni	VFT		COIVI
Pb	ND		ME
Si	FT		am
Sn	ND	CH an	e.con Branky
Ti	ND	TECHN CC TECHNicom WWW.technicom Rue Trapp	doualus France 1501
V	VFT	NV. tech	es Ceoler 30 69
W	ND	WW de pissainou Trapp	Faxilly
Zn	ND	WWW.technicom WWW.technicom Rue Trapp ZA de PISSatou Trapp D2 - 30 69 15 00	
99.5 w/o minim		TECHNicom Www.technicom Www.technicom Rue Image: Rue Imag	e. Cedex France Edouard Branny es Cedex France - Fax: (0)1 30 69 15 01

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.

Major Ash Constituents	Ash w/o	Percent of Total Ash			
1. Al_20_3	0.08	25			
2. Si0 ₂	0.14	50			
3. Fe_20_3 & $FeS0_4$	0.06	20			
4. Misc. Oxides	0.02	5			
TOTAL	0.30	100			
*This value is only a relative quantity among elements, not absolute quantity.					

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