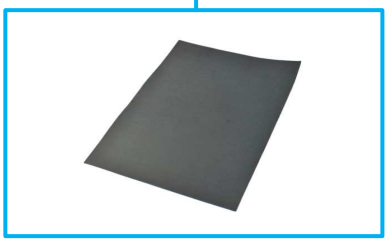
Thermal Foils & Films

FT_TFO_S_CB_30



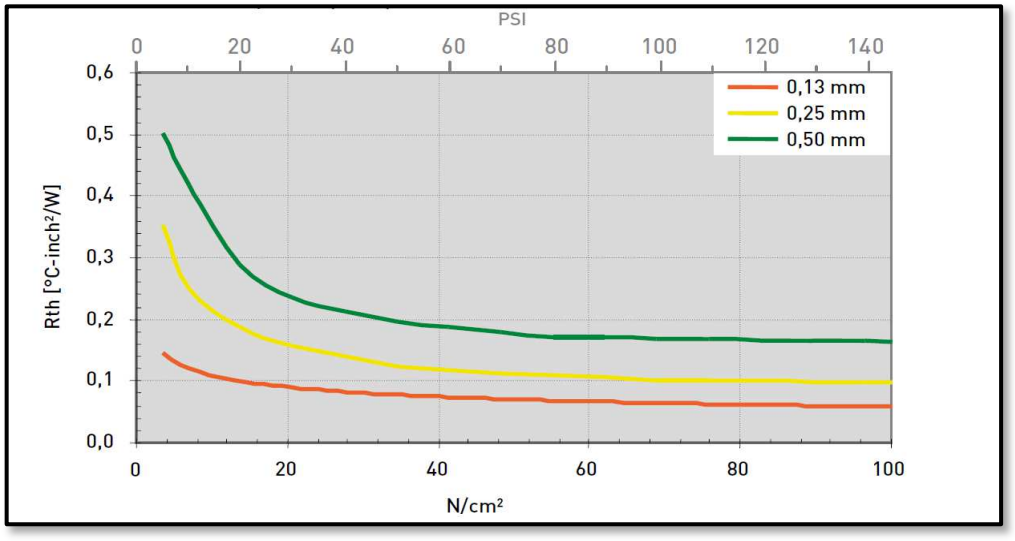
Our Thermal Foams, also known as Graphical Interfaces, are thermo-conductive materials based on graphite that solve heat dissipation problems. TFO_S_CB is a thermally insulating graphite sheet specially developed for applications where a low cooling requirement is required. Indeed, it is an excellent thermal conductor of 8.0W/ mK, with a good thermal resistance thus facilitating heat transfer and does not have electrical insulation. We can cut according to customer plan. All our mattresses are certified UL 94 in V0.

Application Areas: Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED ,Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device,Wireless Hub, DDR Module, etc.

Technical characteristics

Features	Units	TFO_S_CB			
Thickness	mm	0.13	0.25	0.50	-
Reinforcement	-	Graphite naturel 98%			
Color	-	Gray			
Hardness	Shore A	85			
Size	mm	300*500mm			Roll 300mm*50m
Resistance @150 Psi	°C-inch²/W	0.06	0.10	0.16	-
Resistance @30 Psi		0.09	0.16	0.23	-
Resistance @10 Psi		0.06	0.10	0.16	-
Thermal conductivity (Z direction)	W/mK	8.0			
Thermal conductivity (X - Y direction)		140			
Temperature	°C	-250 to +400			
Volume resistance	0hm - cm	11.0 X 10^{-4}			
Contante dielectric	@1MHz	< 0.001			

The TFO_S_CB is available in 0.13/0.25/0.5mm thicknesses.



The results were obtained under laboratory conditions and should be considered only as a guide. As AB2E has no control over its customers' hardware and many other factors, it is the user's responsibility to perform their own tests to ensure that the product meets their needs.