Thermal Foils & Films

FT_TFO_S_AB_NS_07

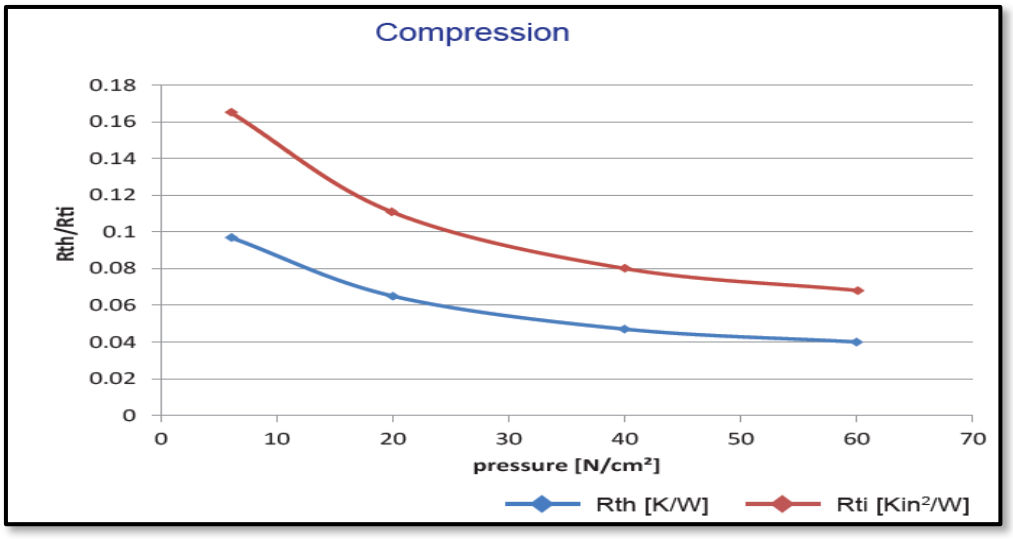
Our electrical thermal insulating materials, also known as Graphical Interfaces, are graphite-based thermo-conductive materials that solve heat dissipation problems. TFO_S_AB is a thermally insulating graphite sheet specially developed for applications where a high cooling requirement is required. Indeed, it is an excellent thermal conductor of 7.5W/ mK, with a good thermal resistance facilitating the transfer of heat 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_AB
Thickness	mm	0.15 / 0.29
Reinforcement	-	Natural Garphite
Color	-	Black
Hardness	Shore A	25-35
Size	mm	-
Resistance @60 Psi	°C-inch²/W	0.04
Resistance @30 Psi		0.06
Resistance @10 Psi		0.09
Thermal conductivity (Z direction)	W/mK	7.5
Thermal conductivity (X - Y direction)		> 300
Temperature	°C	-40 to + 500
Electrical conductivity	0hm - cm	-
Contante dielectric	@1MHz	-

TFO_S_AB is available in 0.15/0.29mm 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..