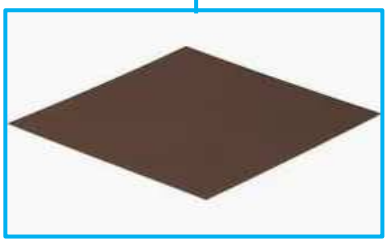
Thermal Foils & Films

FT_TFO_020_J_30



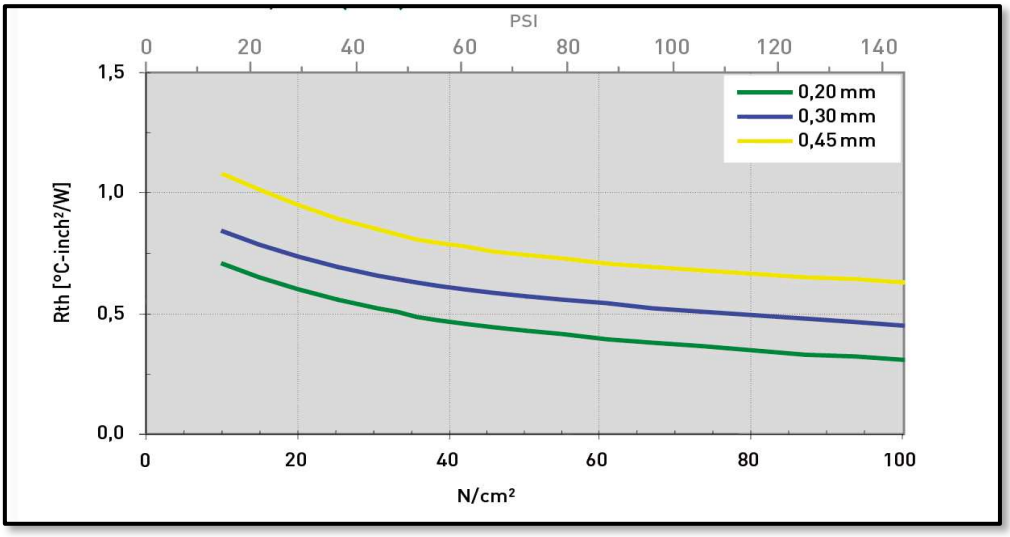
Our Thermal Foams also called Graphic Interfaces are silicone-based thermo-conductive materials that solve the problems of heat dissipation. TFO_020_J is a specially developed heat insulating silicone sheet for applications where a low cooling requirement is required. Indeed, it is an excellent thermal conductor of 2W/mK, with good thermal resistance thus facilitating the transfer of heat and which 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_020_J			
Thickness	mm	0.20	0.30	0.45	-
Reinforcement	-	FiberGlass			
Color	-	Dark Brown			
Tensile strength	kpsi	5.8	4.0	2.9	-
Size	mm	Roller 300mm x 50M		Roller 300mm x 25M	300*1000
Resistance @150 Psi	°C-inch²/W	0.31	0.45	0.63	-
Resistance @30 Psi		0.61	0.74	0.96	-
Thermal Conductivity	W/mK	2.0			
Temperature	°C	-40 to 180			
Breakdown voltage	kV/AC	5.0	7.0	10.0	-
Volume resistance	0hm - cm	4.2×10^{14}	3.5×10^{14}	3.8×10^{14}	-
Contante dielectric	@1MHz	3.8	4.2	4.3	-

The TFO_020_J is available in 0.20/0.30/0.45/0.80mm 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.