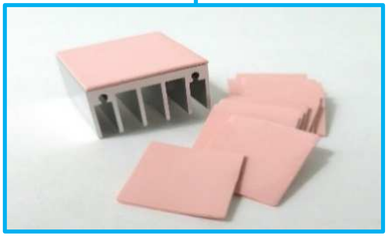
FT_TGF_012_BXS_30

Matelas thermique

Our Thermal Foams also called Gap Pad or Gap Filler are silicone-based thermo-conductive materials that solve the problems of heat dissipation. The TGF_012_BXS is a fiberglass mattress specially developed for applications where a low cooling requirement is required. Indeed, it is a good thermal conductor of 1.2W/ mK, with good thermal resistance thus facilitating the transfer of heat and also has excellent electrical insulation. We can cut according to customer plan. All our mattresses are certified UL 94 in V0.

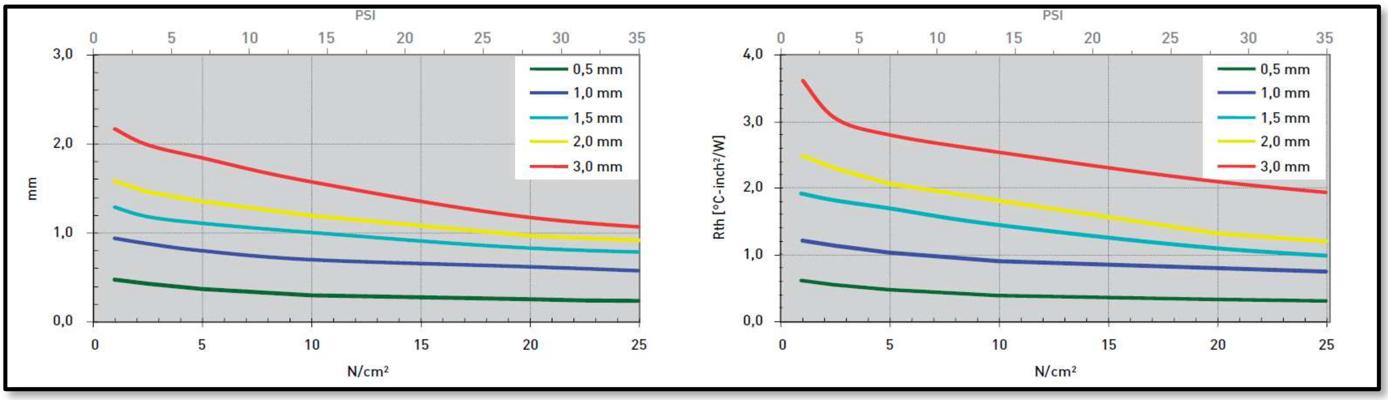


Application areas: Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED ,Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device,Wireless Hub, DDR ll Module, etc.

Technical characteristics

Features	Unit	TGF_012_BXS			
Thickness	mm	0.5	1	2	3
Reinforcement	-	-			
Color	-	Pink			
Hardness	Shore 00	30			
Size	mm	200*400			
Resistance @35 Psi	°C-inch²/W (mm)	0.31 (0.24)	0.75 (0.58)	1.20 (0.92)	1.95 (1.09)
Resistance @15 Psi		0.39 (0.30)	0.90 (0.70)	1.81 (1.19)	2.54 (1.57)
Resistance @7 Psi		0.48 (0.37)	1.03 (0.80)	2.07 (1.35)	2.80 (1.84)
Thermal conductivity	W/mK	1.2			
Temperature	°C	-40 to 150			
Breakdown voltage	kV/mm	> 6.5			
Volume resistance	0hm - cm	3.5×10^{12}			
Contante dielectric	@1MHz	3.87			

The TGF_012_BXS is available in 1/1.5/2/2.5/3/3.5/4/4/4.5/5/...12mm thicknesses.



Results obtained under laboratory conditions and should be considered as a guide only. 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.