

Thermal Pad

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_030_RSS is a mattress specially developed for applications where a low cooling requirement is required. Indeed, this one is a GOOD thermal conductor of 3.0W/ mK, with a good thermal resistance thus facilitating the heat transfer and which also has an excellent electrical insulation. We can cut according to customer plan. All our mattresses are certified UL 94 in V0.

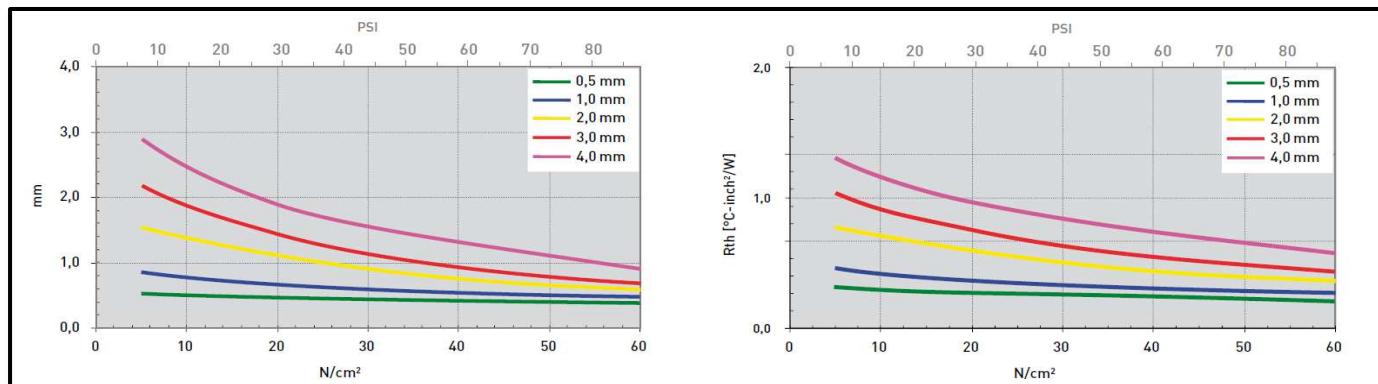


Application areas: Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

Technical characteristics

Features	Unit	TGF_030_RSS			
Thickness	mm	0.5	1	2	3
Reinforcement	-		-		
Color	-		Light Blue		
Hardness	Shore 00		43		
Size	mm		200*400		
Resistance @60 Psi	°C-inch ² /W (mm)	0.25 (0.41)	0.31 (0.52)	0.44 (0.73)	0.54 (0.93)
Resistance @30 Psi		0.27 (0.44)	0.37 (0.67)	0.59 (1.10)	0.75 (1.44)
Resistance @10 Psi		0.30 (0.48)	0.45 (0.81)	0.75 (1.48)	0.99 (2.08)
Thermal conductivity	W/mK		3		
Temperature	°C		-50 to 170		
Breakdown voltage	kV/mm		> 7		
Volume resistance	0hm - cm		1.0 x 10 ¹³		
Contante dielectric	@1MHz		5.6		

The TGF_030_RSS is available in 0.5/1/2/3/4/5/... /10mm 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.