

Our Thermal Foams, also known as Graphical Interfaces, are thermo-conductive materials based on graphite that solve heat dissipation problems. TFO\_Y\_PG 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 20W/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.

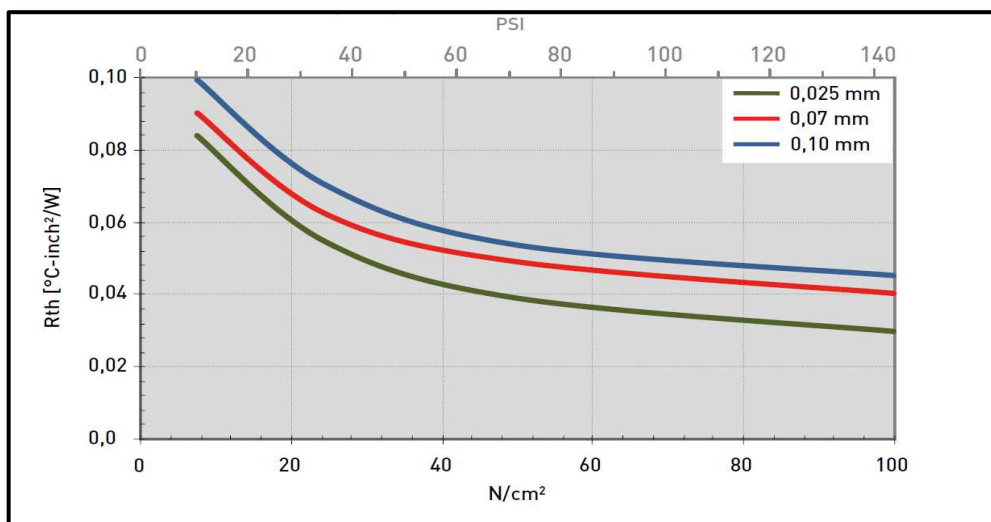


**Application Areas:** Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED ,Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR Module, etc.

## Technical Characteristics

Features	Units	TFO_Y_PG			
Thickness	mm	-	0.07	0.10	-
Reinforcement	-	Graphite pyrolitic			
Color	-	Gray			
Hardness	Shore A	NC			
Size	mm	180*230mm / 115*180mm			
Resistance @150 Psi	°C-inch²/W	-	0.04	0.05	-
Resistance @30 Psi		-	0.07	0.08	-
Resistance @10 Psi		-	0.09	0.10	
Thermal conductivity (Z direction)	W/mK	-	20.00	25.00	-
Thermal Conductivity (X - Y direction)		-	1000	700	
Temperature	°C	-250 to +400			
Electrical conductivity	S/cm	-	10000		
Contante dielectric	@1MHz	-			

**The TFO\_Y\_PG is available in 0.07/0.10mm 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.

