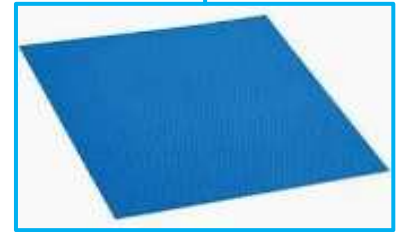


Our thermal electrical insulation materials also called thermal interfaces are silicone-free thermo-conductive materials that solve the problems of heat dissipation. The TFO_018_AB_NS is a sheet specially developed for applications where a low cooling need is required. Indeed, this is an excellent thermal conductor of 1.8W/mK, with good thermal resistance 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.



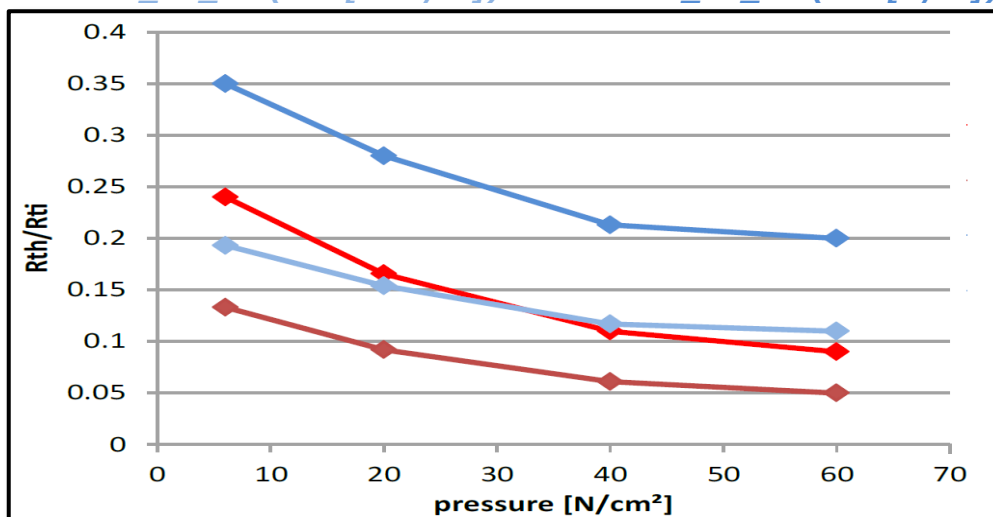
Application Areas: Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED ,Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR Module, etc.

Technical Characteristics

Features	Units	TFO_018_AB_NS
Thickness	mm	0.15/0.3
Density	g/cm ³	2.26
Color	-	Blue
Hardness	Shore A	80 - 90
Tensile Strength	N/mm ²	3.0
Elongation	%	130
Resistance @60 Psi	K/W	0.20
Resistance @30 Psi		0.25
Resistance @10 Psi		0.35
Thermal Conductivity	W/mK	1.8
Temperature	°C	-40 to + 125
Volume resistance	Ohm - cm	1.4×10^{14}
Dielectric constant	@1MHz	3.2
Breakdown Voltage	kV	4

TFO-018_AB_NS is available in 0.15/0.30mm thicknesses.

TFO-018_AB_NS (R_{th} [Kin²/W]) TFO-018_AB_NS (R_{th} [K/W])



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.

