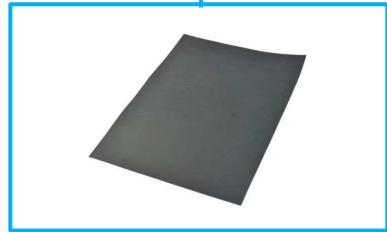


Our Thermal Foams, also known as Graphical Interfaces, are thermo-conductive materials based on graphite that solve heat dissipation problems. TFO\_Y\_PG is a thermally insulating graphite sheet specially developed for applications where a low cooling requirement is required. Indeed, it is an excellent 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.

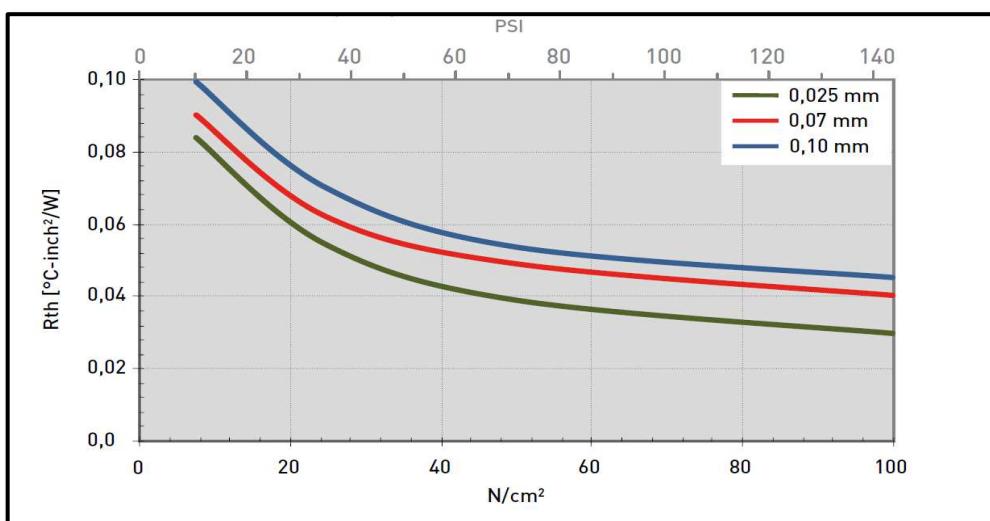


**Application Areas:** Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR Module, etc.

## Technical Characteristics

| Features                                      | Units                   | TFO_Y_PG              |       |       |
|---|-------------------------|-----------------------|-------|-------|
| <b>Thickness</b>                              | mm                      | -                     | 0.07  | 0.10  |
| <b>Reinforcement</b>                          | -                       | Graphite pyrolytic    |       |       |
| <b>Color</b>                                  | -                       | Gray                  |       |       |
| <b>Hardness</b>                               | Shore A                 | NC                    |       |       |
| <b>Size</b>                                   | mm                      | 180*230mm / 115*180mm |       |       |
| <b>Resistance @150 Psi</b>                    | °C-inch <sup>2</sup> /W | -                     | 0.04  | 0.05  |
| <b>Resistance @30 Psi</b>                     |                         | -                     | 0.07  | 0.08  |
| <b>Resistance @10 Psi</b>                     |                         | -                     | 0.09  | 0.10  |
| <b>Thermal conductivity (Z direction)</b>     | W/mK                    | -                     | 20.00 | 25.00 |
| <b>Thermal Conductivity (X - Y direction)</b> |                         | -                     | 1000  | 700   |
| <b>Temperature</b>                            | °C                      | -250 to +400          |       |       |
| <b>Electrical conductivity</b>                | S/cm                    | -                     | 10000 |       |
| <b>Contante dielectric</b>                    | @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.

