



## Tflex™ 600 Series Gap Filler Material

Tflex 600 Series™ is an exceptionally soft, highly compressible gap filling interface pad with a thermal conductivity of 3.0 W/m-K. These outstanding properties are the result of a proprietary boron nitride filler in the composition. The high conductivity, in combination with extreme softness, produces incredibly low thermal resistances. While extremely soft, Tflex 600 recovers to over 90% of its original thickness after compression under low pressure.

Tflex 600 is naturally tacky and requires no additional adhesive coating that can inhibit thermal performance. Tflex 600 is electrically insulating, stable from -45°C to 200°C and meets UL 94HB rating.

Item #	Color	Thickness	Density	Hardness	Thermal Impedance at 10 psi	Thermal Impedance at 69 KPa
Tflex 620	Blue-Violet	0.020 inches 0.508 mm	1.38 g/cc	40 Shore OO	0.46 °C-in <sup>2</sup> /W	2.97 °C-cm <sup>2</sup> /W
Tflex 630	Blue-Violet	0.030 inches 0.762 mm	1.37 g/cc	40 Shore OO	0.58 °C-in <sup>2</sup> /W	3.74 °C-cm <sup>2</sup> /W
Tflex 640	Blue-Violet	0.040 inches 1.016 mm	1.34 g/cc	25 Shore OO	0.62 °C-in <sup>2</sup> /W	4.00 °C-cm <sup>2</sup> /W
Tflex 650	Blue-Violet	0.050 inches 1.270 mm	1.34 g/cc	25 Shore OO	0.71 °C-in <sup>2</sup> /W	4.58 °C-cm <sup>2</sup> /W
Tflex 660	Blue-Violet	0.060 inches 1.524 mm	1.34 g/cc	25 Shore OO	0.85 °C-in <sup>2</sup> /W	5.50 °C-cm <sup>2</sup> /W
Tflex 670	Blue-Violet	0.070 inches 1.778 mm	1.34 g/cc	25 Shore OO	0.96 °C-in <sup>2</sup> /W	6.17 °C-cm <sup>2</sup> /W
Tflex 680	Blue-Violet	0.080 inches 2.032 mm	1.34 g/cc	25 Shore OO	1.09 °C-in <sup>2</sup> /W	7.04 °C-cm <sup>2</sup> /W
Tflex 690	Blue-Violet	0.090 inches 2.286 mm	1.34 g/cc	25 Shore OO	1.16 °C-in <sup>2</sup> /W	7.48 °C-cm <sup>2</sup> /W
Tflex 6100	Blue-Violet	0.100 inches 2.540 mm	1.34 g/cc	25 Shore OO	1.23 °C-in <sup>2</sup> /W	7.94 °C-cm <sup>2</sup> /W
Tflex 6110	Blue-Violet	0.110 inches 2.794 mm	1.34 g/cc	25 Shore OO	1.33 °C-in <sup>2</sup> /W	8.57 °C-cm <sup>2</sup> /W
Tflex 6120	Blue-Violet	0.120 inches 3.048 mm	1.34 g/cc	25 Shore OO	1.40 °C-in <sup>2</sup> /W	9.04 °C-cm <sup>2</sup> /W
Tflex 6130	Blue-Violet	0.130 inches 3.302 mm	1.34 g/cc	25 Shore OO	1.54 °C-in <sup>2</sup> /W	9.94 °C-cm <sup>2</sup> /W
Tflex 6140	Blue-Violet	0.140 inches 3.556 mm	1.34 g/cc	25 Shore OO	1.65 °C-in <sup>2</sup> /W	10.65 °C-cm <sup>2</sup> /W
Tflex 6150	Blue-Violet	0.150 inches 3.810 mm	1.34 g/cc	25 Shore OO	1.71 °C-in <sup>2</sup> /W	11.03 °C-cm <sup>2</sup> /W
Tflex 6160	Blue-Violet	0.160 inches 4.064 mm	1.34 g/cc	25 Shore OO	1.79 °C-in <sup>2</sup> /W	11.53 °C-cm <sup>2</sup> /W
Tflex 6170	Blue-Violet	0.170 inches 4.318 mm	1.34 g/cc	25 Shore OO	1.86 °C-in <sup>2</sup> /W	12.00 °C-cm <sup>2</sup> /W
Tflex 6180	Blue-Violet	0.180 inches 4.572 mm	1.34 g/cc	25 Shore OO	1.93 °C-in <sup>2</sup> /W	12.45 °C-cm <sup>2</sup> /W
Tflex 6190	Blue-Violet	0.190 inches 4.826 mm	1.34 g/cc	25 Shore OO	2.05 °C-in <sup>2</sup> /W	13.23 °C-cm <sup>2</sup> /W
Tflex 6200	Blue-Violet	0.200 inches 5.080 mm	1.34 g/cc	25 Shore OO	2.16 °C-in <sup>2</sup> /W	13.94 °C-cm <sup>2</sup> /W