



Tflex™ 300 Series Gap Filler Material

Ultra Compliant, Thermal Gap Filler for High-Speed Computing and Telecommunications Applications

Tflex™ 300 is a silicone gel combined with a ceramic powder to offer an unique combination of compliancy, thermal resistance and price.

Tflex™ 300, at pressures of 50 psi, deflect over 50% the original thickness. This high rate of compliancy allows the material to "totally blanket" the component, enhancing thermal transfer. The material has a very low compression set enabling the pad to be reused many times.

Tflex™ 300, in achieving its stellar compliancy, does not sacrifice thermal performance. With a thermal conductivity of 1.2 W/m-K, low thermal resistances can be achieved at low pressures. Tflex™ 300 is offered with a hard, metallized liner option for easy handling and improved rework. This metallized liner offers better thermal transfer than other silicone based liners found on comparable products. The metallized liner's lower coefficient of friction also allows for easy assembly of parts that must slide together, such as a card into a chassis.

Item #	Color	Thickness	Density	Hardness	Thermal Resistance at 10 psi	Thermal Resistance at 69 KPa
Tflex 320	Mint	0.020 inches 0.510 mm	1.78 g/cc	56 Shore OO	0.844 °C-in ² /W	5.41 °C-cm ² /W
Tflex 330	Mint	0.030 inches 0.760 mm	1.78 g/cc	56 Shore OO	1.050 °C-in ² /W	6.74 °C-cm ² /W
Tflex 340-FG	Mint	0.040 inches 1.020 mm	1.78 g/cc	56 Shore OO	1.380 °C-in ² /W	8.85 °C-cm ² /W
Tflex 340	Mint	0.040 inches 1.020 mm	1.75 g/cc	27 Shore OO	1.444 °C-in ² /W	7.34 °C-cm ² /W
Tflex 350	Mint	0.050 inches 1.270 mm	1.75 g/cc	27 Shore OO	1.320 °C-in ² /W	8.47 °C-cm ² /W
Tflex 360	Mint	0.060 inches 1.520 mm	1.75 g/cc	27 Shore OO	1.490 °C-in ² /W	9.56 °C-cm ² /W
Tflex 370	Mint	0.070 inches 1.780 mm	1.75 g/cc	27 Shore OO	1.654 °C-in ² /W	10.61 °C-cm ² /W
Tflex 380	Mint	0.080 inches 2.030 mm	1.75 g/cc	27 Shore OO	1.812 °C-in ² /W	11.62 °C-cm ² /W
Tflex 390	Mint	0.090 inches 2.290 mm	1.75 g/cc	27 Shore OO	1.964 °C-in ² /W	12.60 °C-cm ² /W
Tflex 3100	Mint	0.100 inches 2.540 mm	1.75 g/cc	27 Shore OO	2.110 °C-in ² /W	13.53 °C-cm ² /W
Tflex 3110	Mint	0.110 inches 2.790 mm	1.75 g/cc	27 Shore OO	2.250 °C-in ² /W	14.43 °C-cm ² /W
Tflex 3120	Mint	0.120 inches 3.050 mm	1.75 g/cc	27 Shore OO	2.384 °C-in ² /W	15.29 °C-cm ² /W
Tflex 3130	Mint	0.130 inches 3.300 mm	1.75 g/cc	27 Shore OO	2.512 °C-in ² /W	16.11 °C-cm ² /W
Tflex 3140	Mint	0.140 inches 3.560 mm	1.75 g/cc	27 Shore OO	2.634 °C-in ² /W	16.89 °C-cm ² /W
Tflex 3150	Mint	0.150 inches 3.810 mm	1.76 g/cc	27 Shore OO	2.750 °C-in ² /W	17.64 °C-cm ² /W
Tflex 3160	Mint	0.160 inches 4.060 mm	1.75 g/cc	27 Shore OO	2.860 °C-in ² /W	18.34 °C-cm ² /W
Tflex 3170	Mint	0.170 inches 4.320 mm	1.75 g/cc	27 Shore OO	2.964 °C-in ² /W	19.01 °C-cm ² /W
Tflex 3180	Mint	0.180 inches 4.570 mm	1.75 g/cc	27 Shore OO	3.062 °C-in ² /W	19.64 °C-cm ² /W
Tflex 3190	Mint	0.190 inches 4.830 mm	1.76 g/cc	27 Shore OO	3.154 °C-in ² /W	20.23 °C-cm ² /W

