



930 Sil-Therm Range:

Sil-Therm is EMI Seals & Gaskets Range of Thermally Conductive Materials.

To meet the ever-demanding developments in modern electronics EMI provide a wide range of Thermal product solutions to control and manage heat in electronic assemblies and printed circuit boards. **Sil-Therm** products are used in various industries including automotive, computer, power supply, military and motor control.

As electronic processors and components get smaller and faster and more powerful the need to control heat management has become an ever-increasing priority. EMI Seals Sil-Therm offers a wide range of materials and grades to meet most requirements. Silicones as a chemical family are extremely versatile substances and are considered to be very environmentally friendly; most silicone products are solvent free, non-volatile and pose no hazard to the ecosystem. Cured silicone rubbers are not biodegradable or affected by weathering, ozone and exposure to UV. They are resistant to extreme changes in temperature (typically -85°C to $+300^{\circ}\text{C}$) and provide protection against moisture, chemical attack, shocks and vibration. With the use of particular additives or fillers, it is possible to enhance the already invaluable properties of Silicone to increase the Thermal Conductivity of Silicone to achieve an extremely stable thermal conductor.

EMI Ref Number *	Thickness (mm)	Colour	Thermal Conductivity (W/m-K) **	Hardness (Shore 00)	Dielectric Strength (kV/mm)	Volume Resistivity (ohms-cm)	UL Rating
9310	1.0, 1.5, 2.0	White	1.0	10~15	8	2×10^{12}	None
9312P	1.0, 1.5, 2.0	White	1.0	10~15	8	2×10^{12}	V0
9340	1.0, 1.5, 2.0	White	1.1	40~50	7	3×10^{12}	None
9350	1.0, 1.5, 2.0	Grey	1.6	50~60	8	5×10^{12}	V0
9350P	1.0, 1.5, 2.0	Grey	1.6	50~60	8	5×10^{12}	V0
9360	1.0, 1.5, 2.0	Grey	3.1	1.0 μm : 50~60 1.5 - 2.0 μm : 55~65	3.2	6.9×10^{14}	V0
9360P	1.0, 1.5, 2.0	Grey	3.1	1.0 μm : 50~60 1.5 - 2.0 μm : 55~65	5.2	6.9×10^{14}	V1
9370	1.0, 1.5, 2.0	Grey	4.9	60~80	2	1.7×10^{14}	V0
9370P	1.0, 1.5, 2.0	Grey	4.9	60~80	3	1.7×10^{14}	V0
9355	0.2, 0.25	Grey	1.6	55	14	8.6×10^{14}	V1
9380	0.2, 0.25	Light Grey with Yellow	3.0	80	14.5	4.5×10^{14}	V0
9380P	0.2, 0.25	Light Grey with Yellow	3.0	90	17.7	8.6×10^{14}	NA

*Pads ending with P have a Polymeric film on one side to be used as a non-tacky surface for ease of reworking and assembly.

**EMI tested in accordance of with ASTM D5470 Test method.

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