

SARCON® Thermal Interface Materials:



More power and light weight. In the past, these two characteristics in electronics were mutually exclusive. Now, micro-electronics are just that, and in addition, need thermal interface materials to further complement these objectives.

APPLICATIONS:

- Thermal conductive insulators for semiconductors
- Compression jointing materials for thermistors and temperature sensors
- Thermal conductive material for all types of heaters

AVAILABLE CONFIGURATIONS:

- Sheets, Rolls, Die-cuts, Sleeves, Gel, Extrusions, Moldings

SARCON® Thermal Interface Materials are an advanced silicone rubber with high thermal conductivity and superior flame-retardancy. By combining the inherent silicone rubber properties of heat resistance, electrical insulation and long-term aging into one compound, this universally applicable thermal interface material can be made in an unlimited number of thermal management configurations.

SARCON: THIN-PROFILE (.006" - .033")

Formulations	Application Guidelines	Thermal Conductivity Cal/cm " sec " C	Thermal Conductivity W/m " K
SARCON TR	General purpose for moldings and extrusions	2.9×10^{-3}	1.20
SARCON HR	High heat conductivity	4.1×10^{-3}	1.70
SARCON UR	Very high heat conductivity	6.2×10^{-3}	2.60
SARCON QR	Low hardness with high heat conductivity	2.6×10^{-3}	1.10
SARCON GR-TD	High heat conductivity mesh reinforced gap filler pad, 0.25mm thin, available in rolls	3.6×10^{-3}	1.50
SARCON GTR	General purpose extrusion with 0.05 mm glass cloth reinforcement	2.2×10^{-3}	0.90
SARCON GHR	High heat conductivity with 0.05 mm glass cloth reinforcement	3.4×10^{-3}	1.40
SARCON GSR	Highest heat conductivity with 0.05 mm glass cloth reinforcement	7.0×10^{-3}	2.90

SARCON: GAP FILLER PAD (.012" - .200")

Formulations	Application Guidelines	Thermal Conductivity Cal/cm " sec " C	Thermal Conductivity W/m " K
SARCON GR-B	High heat conductivity gap filler pad	5.5×10^{-3}	2.30
SARCON GR-C	Electromagnetic wave absorption gap filler pad (20dB RFI shielding effectiveness up to 1GHz)	2.9×10^{-3}	1.20
SARCON GR-D	General purpose gap filler pad	3.6×10^{-3}	1.50
SARCON GR-K	General purpose gap filler pad, UL94 V0-V1 class	2.10×10^{-3}	1.20
SARCON GR-L	General purpose gap filler pad, UL94 V0 class	6.8×10^{-3}	2.80
SARCON GR-M	High heat conductivity gap filler pad	14.4×10^{-3}	6.0
SARCON XR-E	Extremely high heat conductivity	26.3×10^{-3}	11.0
SARCON XR-J	Highest performance heat conductivity gap filler pad	33.4×10^{-3}	14.0
SARCON XR-M	New low thermal resistance gap filler pad	40.8×10^{-3}	17.00
SARCON NR-C	Highly comfortable non-flammable (non-silicone) gap filler pad	3.6×10^{-3}	1.50