

Fujipoly SARCON®

Thermal Gap Fillers and Thin Films

PRODUCT BENEFITS:

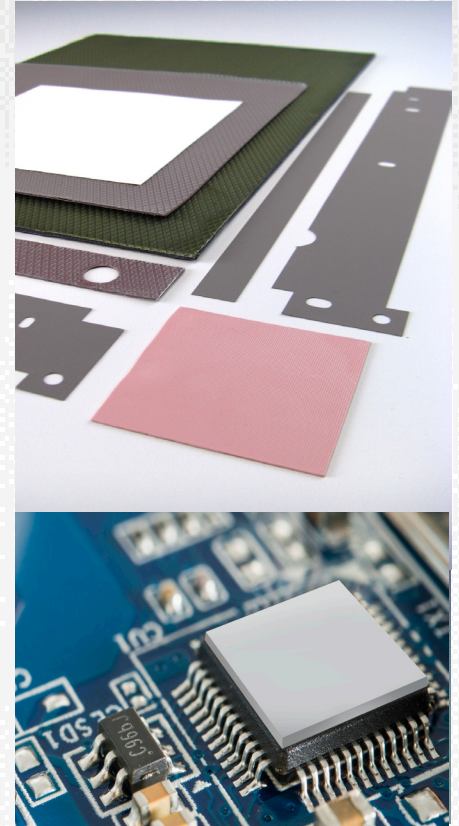
- Enhanced Heat Transfer Between Hardware Components
- High Thermal Conductivity, Low Thermal Resistance
- Flame Retardant and Electrically Insulating
- Short Lead Times and Low Minimum Order Requirements

INDUSTRY APPLICATIONS:

- Power Supplies and Inverters
- Energy Storage and Charging Devices
- Transportation, Aerospace, and Defense
- LED Lighting
- Consumer and Industrial Equipment
- Telecommunications and Computing

Fujipoly SARCON® is a family of thermal interface materials (TIMs) made from an advanced silicone rubber with high thermal conductivity and superior flame-retardancy. Featuring the inherent silicone rubber properties of heat resistance, electrical insulation and resistance to long-term degradation, SARCON® is nearly universal in the applications that it can serve. SARCON® is available as thermal gap filler, thin film interface, grease, and dispense-in-place products (both stable and curing type).

Insul-Fab is proud to be an Authorized Distributor and Converter of Fujipoly thermal interface materials, offering custom SARCON® parts that are fabricated under a rigorous AS9100 certified quality system, with short lead times, competitive pricing, and low minimums. Many Fujipoly products offer superior performance and high value compared to similar materials from well-known manufacturers.



Fujipoly SARCON®

Thermal Gap Fillers and Thin Films

SARCON® Part Number	Description	Thermal Conductivity (W/m·K)	Thickness Range (mm)
GAP FILLERS			
Conformable Gel Sheet Type			
GR14B	Pliable silicone compound. High heat conductivity/low thermal resistance. Tacky surfaces. Available as custom parts & sheets.	1.4	0.5 - 5.0
GR25B		2.5	0.3 - 5.0
GR45A		4.5	0.5 - 5.0
GR80A		8.0	0.3 - 3.0
GR100A		10.0	0.3 - 2.0
GR130A		13.0	0.3 - 2.0
Extremely Compressible Sheet Type			
PG25A	Putty-like, semi-cured, silicone compound. Extremely low compression force. Tacky surfaces. Available as custom parts & sheets.	2.5	1.0 - 5.0
PG45A		4.5	1.5 - 2.5
PG65A		6.5	0.3 - 2.0
PG80B		8.0	0.5 - 2.0
PG130A		13.0	0.3 - 2.0
Non-Silicone Sheet Type			
NR-C	Conformable acrylate resin.	1.5	0.5 - 3.0
Specialty Sheet Type			
EGR-11F	Electromagnetic (EM) Wave Absorbing.	1.0	0.5 - 1.5
EGR30A		3.0	0.5 - 2.5
CF210A	Carbon-fiber filled. Ultra-high thermal conductivity.	21.0	1.5 - 2.5
THIN FILMS			
Silicone Rubber Pads			
GTR	Thermally conductive silicone rubber with glass-fiber cloth core. High dielectric strength insulation. Available as custom parts & rolls.	0.9	0.15 - 0.3
GHR		1.4	0.15 - 0.3
GAR		Optional adhesive available for attachment.	3.0
TR	Thermally conductive, unreinforced, silicone rubber. High dielectric strength, flame retardant. Available as custom parts & rolls.	1.2	0.2 - 0.85
HR		1.7	0.3 - 0.85
YR-a		2.2	0.2 - 0.85
YR-d		3.4	0.2 - 0.45

FORM-IN-PLACE PRODUCTS ALSO AVAILABLE (please contact for details)

All SARCON® products listed above meet UL94V-0, File E58126 and are RoHS compliant.
Additional data on Fujipoly products and variations available at www.insulfab.net/fujipoly.html

The information and recommendations set forth herein ("information") are presented in good faith and believed to be correct at the date of printing. However, the recipient shall be responsible for ensuring the accuracy, completeness and suitability for intended use. In no event will INSUL-FAB be responsible for damages of any nature whatsoever resulting from the recipient's sole reliance upon this information.

INSUL-FAB
a division of **concrete corporation**

214.956.0055 • www.insulfab.net