TGF-V-SI is an electrically insulating thermally conductive high performance silicone gap filler. It is ideal for use in applications where a very good thermal transfer over large gaps caused e.g. by big tolerances or different stack up heights must be achieved. Due to the specific formulation and filling with ceramic particles the silicone elastomer has an extremely high thermal conductivity. Through its softness and flexibility the material perfectly mates to irregular surfaces thus filling gaps at low pressure. By its use the total thermal resistance is minimised. The natural tackiness of the material allows for an easy and reliable pre-assembly. The material is double-side self-tacky or alternatively one-side tacky through lamination with a thermally conductive film.

**PROPERTIES**
- Soft and compliable
- Thermal conductivity: 5.0 W/mK
- Operates at low pressure
- Extraordinary chemical resistance and long-term stability
- Shock absorbing
- One or two-side self-tacky

**AVAILABILITY**
- Sheet 210 x 420 mm (Thickness 0.5 – 2.0 mm)
- Sheet 200 x 200 mm (Thickness 2.5 – 3.0 mm)
- Tacky on both sides (TGF-VXXXX-SI)
- Tacky on one side by film laminate (TGF-VXXXX-SI-A1)
- Die cut parts
- Kiss cut parts on sheet

**APPLICATION EXAMPLES**
- Thermal link of: SMD packages, Through-hole vias, Capacitors, Electronic parts to heat pipes
- For use in Automotive applications / Laptops / Medicine engineering / Industrial PCs

**Measurement technique according to: ¹ASTM D 5470. All data without warranty and subject to change. Please contact us for further data and information.**

**Thicknesses:**
- Double-side tacky: 0.7 mm / 1.0 mm / 1.5 mm / 2.0 mm / 3.0 mm
- One-side tacky: 0.5 mm / 1.0 mm / 1.5 mm / 2.0 mm / 3.0 mm