

TIM-GAP P-28

Thermally Conductive Silicone Gap Filler Putty Sheets

DESCRIPTIONS

TIM-GAP P-28 is very soft Putty Type, highly conformable thermal interface gap filler designed to meet industry's rapidly growing need for interface material with high thermal conductivity and conformability for low stress applications.

TIM-GAP P-28 is designed with flame retardant silicone polymer filled with thermally conductive fillers for wide range of applications. It will provide superb protection against damage due to deformation as well as shock or vibration.

KEY FUTURES AND BENEFITS

- **Thermal Conductivity (2.8 W/m-k)**
- **Highly conformable at low pressures**
- Soft, low stress on component
- Clean and easy to apply

APPLICATIONS

- Interface for semiconductors requiring low pressure or spring clamp mounting
- Graphic chips to heat sinks
- Mass storage drives
- Power supplies

AVAILABILITY

Available Thickness (mm): 0.5, 1.0 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0
Available Configurations: Sheet form (200mm x 300mm) and die-cut parts

Typical Property	Test Method	Value
Color	Visual	Gray
Specific Gravity, @ 25°C	ASTM D792	2.6
Hardness (Shore 00)	ASTM D2240	Gel Type
Flammability	UL 94	V-0 Equivalent
Operating Temperature Range.		-55°C to 150°C
THERMAL		
Thermal Conductivity (W/m-K)	ASTM D5470	2.8
Thermal Resistance (°C-in ² /w)(14psi,1.0mm thickness)	ASTM D5470	0.43
ELECTRICAL		
Breakdown Voltage (KV/mm)	ASTM D149	18
Dielectric Constant (1KHz)	ASTM D149	6.4
Dissipation Factor (1KHz)	ASTM D150	0.03
Volume Resistivity (Ohm-m)	ASTM D257	1 x 10 ¹²

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