

TIM-GAP 1128

Thermally Conductive Silicone Gap Filler

DESCRIPTIONS

TIM-GAP 1128 is Soft, thermal interface gap filler pad designed to meet industry's rapidly growing need for interface material with high thermal conductivity and conformability for low stress applications.

TIM-GAP 1128 is designed with flame retardant silicone polymer filled with thermally conductive fillers for a wide range of applications. It will provide superb protection against damage due to deformation as well as shock or vibration.

KEY FUTURES AND BENEFITS

- **High Thermal Conductivity (2.8 W/m-k)**
- Cost-Effective Solution
- 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

AVAILABILITY

Available Thickness (mm): 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 4.0, 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	2.5
Hardness (Shore 00)	ASTM D2240	50
Elongation (%)	ASTM D412	200
Tensile Strength (PSI)	ASTM D412	14.5
Tear Strength	ASTM D624	4.6
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	0.55
ELECTRICAL		
Breakdown Voltage (KV/mm)	ASTM D149	16
Withstand Voltage (KV/mm)	ASTM D149	ND
Dielectric Constant (1KHz)	ASTM D150	9.1
Dissipation Factor (1KHz)	ASTM D150	0.081
Volume Resistivity (Ohm-m)	ASTM D257	1.6 x 10 ¹¹

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