

TIM-GAP 1115

Thermally Conductive Silicone Gap Filler

DESCRIPTIONS

TIM-GAP 1115 is highly conformable, easily compressible with bounce back property. 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 1115 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

- **Thermal Conductivity (1.7 W/m-k)**
- Cost-Effective Solution
- Highly Conformable, low stress on components
- Shock absorbing Characteristics

APPLICATIONS

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

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	2.0
Hardness (Shore 00)	ASTM D2240	25
Elongation (%)	ASTM D412	225
Tensile Strength (PSI)	ASTM D412	14.5
Tear Strength (N/mm)	ASTM D624	0.5
Flammability	UL 94	V-0 Equivalent
Operating Temperature Range.		-55°C to 150°C
THERMAL		
Thermal Conductivity (W/m-K)	ASTM D5470	1.7
Thermal Resistance (°C-in ² /w)(14psi,1.0mm thickness)	ASTM D5470	0.97
ELECTRICAL		
Breakdown Voltage (KV/mm)	ASTM D149	13
Withstand Voltage (KV/mm)	ASTM D149	ND
Dielectric Constant (1KHz)	ASTM D150	4.2
Dissipation Factor (1KHz)	ASTM D150	0.04
Volume Resistivity (Ohm-m)	ASTM D257	1.1 x 10 ¹²

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