

## TIM-LGF-2301

**Fast Cure One Part Silicone RTV Adhesive Sealant**

### DESCRIPTIONS

**TIM-LGF-2301** is a fast curing silicone RTV rubber specially formulated to provide unprimed adhesion and part can be handled within an hour. It is one part non corrosive oxime cure type thixotropic paste offers excellent protection against weathering, ozone, moisture, UV and high temperature. It can be dispensed manually or automated dispensing units.

**TIM-LGF-2301** flows under pressure like grease, easily cures at room or elevated temperature and form in soft rubber/gel and adheres to most surfaces, forms shapes and sizes of components with very low compression force. It eliminates multiple pad thickness and die-cut shapes for individual applications. It can be applied like grease, easily dispensable from wide range of commercially available equipment.

### KEY FUTURES AND BENEFITS

- Fast RT cure
- Excellent unprimed adhesion to many composites, metal and glass
- Rapid onset of adhesion
- Temperature range -45°C to 260°C

### APPLICATIONS

- Interface for semiconductors requiring low pressure or spring clamp mounting
- Industrial bonding
- Adhesive sealant
- Form in place gasket
- Fast Adhesion and Vibration dampening

### AVAILABILITY

1/10 gallon caulking cartridge and 5 gallon pail.

Property	Test Method	Value
Type		One part Silicone RTV
<b>Special Futures</b>		Excellent unprimed adhesion to many composites, metal and glass. Rapid onset of adhesion
Color	Visual	White
Viscosity. PaS	Brookfield	400
Specific Gravity	ASTM D792	1.3
Pot Life @ 25°C		15 min
Cure Time @ 25°C		72 hrs
Hardness (Shore 00)	ASTM D2240	35
Tensile Strength PSI		275
Peel Strength PPI		30
Elongations. %	ASTM D412	350
Operating Temperature Range.		-45°C to 260°C
Shelf Life (Unopened)		12 months
<b>THERMAL</b>		
Thermal Conductivity (W/m-K)	ASTM D5470	0.20
<b>ELECTRICAL</b>		
Breakdown Voltage (KV/mm)	ASTM D149	13
Volume Resistivity (Ohm-m)	ASTM D257	10 <sup>12</sup>

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