



# FISi/ SI9101 Dielectric Gel

## FEATURES & BENEFITS

- 100% Solids / Solvent free
- Exceptionally fast heat cure
- Single component
- No mixing
- Long pot-life at room temperature
- No corrosive by-products
- Environmentally friendly
- Low shrinkage
- Virtually no exotherm

## APPLICATIONS

- Automotive ECUs
- Outdoor junction boxes
- Semiconductor modules
- “Clam-shell” enclosures
- Cable splicing units
- Electronic potting

## AVAILABILITY

- 55-Gallon Drums
- 5-Gallon Pails

## STORAGE / SHELF LIFE

SI9101 may be stored in original, unopened containers at, or below, 75F for up to one (1) year.

## DESCRIPTION

FISi/ SI9101 is a transparent, single-component silicone based protective gel for electrical / electronic enclosures, junction boxes and terminal blocks. When fully cured, SI9101 is extremely moisture, UV and ozone resistant.

## TYPICAL PROPERTIES

Physical Property	Test Method	Performance Range
Appearance (mixed)	Visual	Clear liquid
Mix Ratio	N/A	Single component
Viscosity	Brookfield	2500 cps
Specific Gravity		0.96—1.06
Cure Time	Heat Cure	150°C < 10 mins 100°C < 30 mins 60°C < 60 mins
Service Temperature		-40C to 205C (-40F to 400F)
Dielectric Constant	ASTM D150	3.03 @100 Hz 2.62 @ 100kHz
Dissipation Factor	ASTM D 150	@ 100 Hz @ 100 kHz
Dielectric Strength	ASTM D149	425 V/mil

## ADDITIONAL INFORMATION

- Refer to Technical Bulletins for additional mixing, curing and handling procedures.
- As with any platinum-catalyzed silicone gel, the cure may be inhibited. Always check compatibility. Refer to Technical Bulletin for information.
- Even when fully cured, re-enterable gels are extremely soft and tacky; however, uncured liquid may indicate cure inhibition or improper mixing.
- Not recommended for surfaces that are to be painted.

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