



FISi/ SI 101 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

SI101 may be stored in original, unopened containers at, or below, 75F for up to one (1) year.

DESCRIPTION

FISi/ SI101 is a transparent, single-component silicone based protective gel for electrical / electronic enclosures, junction boxes and terminal blocks. When fully cured, SI101 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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