



# FISi/ SI 201 Encapsulant

## FEATURES & BENEFITS

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

## APPLICATIONS

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

## AVAILABILITY

- 55-Gallon Drums
- 5-Gallon Pails
- 600 ml Side-by-side cartridges

## STORAGE / SHELF LIFE

SI201 may be stored in original, unopened containers at, or below, 75F for up to one (1) year.

## DESCRIPTION

FISi/ SI201 is a black, single-component, silicone-based potting and encapsulating compound with good flowability, long work-life, flexible cure schedule and flame resistance.

## TYPICAL PROPERTIES

Physical Property	Test Method	Performance Range
Appearance	Visual	Charcoal liquid
Mix Ratio	N/A	Single Component
Viscosity	Brookfield	2000-3000 cps
Specific Gravity		1.35
Worklife @ 25C		15 -30 minutes
Cure Time		@150°C <5 mins @100°C <10 mins @60°C <40 mins
Shore Hardness	ASTM D 2240	45 - 50 Shore A
Service Temperature		-40C to 205C (-40F to 400F)
Thermal Conductivity	ASTM E 1530	0.35 W/m-K
Dielectric Constant	ASTM D150	2.72 @100 Hz 2.86 @ 100 kHz
Dissipation Factor	ASTM D 150	0.010 @100 Hz 0.0098 @100 kHz
Dielectric Strength	ASTM D149	350 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.
- Not recommended for surfaces that are to be painted.

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