



FISi/ SI 107 Toughened Gel

FEATURES & BENEFITS

- 100% Solids / Solvent free
- Exceptionally fast cure
- Convenient 1:1 mix ratio
- No corrosive by-products
- Environmentally friendly
- Low shrinkage
- Virtually no exotherm
- No post-cure required
- Toughened for improved mechanical strength

APPLICATIONS

- Automotive ECUs
- Outdoor junction boxes
- Semiconductor modules
- High voltage insulation
- Cable splicing units
- Electronic potting

AVAILABILITY

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

STORAGE / SHELF LIFE

SI107 may be stored in original, unopened containers at, or below, 75F for up to one (1) year.

DESCRIPTION

FISi/ SI107 is a transparent green, toughened, silicone based protective gel for electrical / electronic enclosures, junction boxes and terminal blocks. When fully cured, SI107 is extremely moisture, UV and ozone resistant.

TYPICAL PROPERTIES

Physical Property	Test Method	Performance Range
Appearance (mixed)	Visual	Transparent Green
Mix Ratio		1:1 By Volume (1:1 By Weight)
Viscosity (Mixed)	Brookfield	1700 - 3500 cps
Specific Gravity		0.96—1.06
Worklife @ 25C		<15 minutes
Cure Time @ 25C		3-4 hours
Service Temperature		-40C to 205C (-40F to 400F)
Dielectric Constant	ASTM D150	2.54 @100 Hz 2.40 @ 100kHz
Dissipation Factor	ASTM D 150	0.035 @100 Hz 0.0034 @100 kHz
Dielectric Strength	ASTM D149	400 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, some silicone gels can be soft with a tacky surface; however, uncured liquid may indicate cure inhibition or improper mixing.
- Not recommended for surfaces that are to be painted.

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