



FISi/ SI 284 Encapsulant

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
- Superior tensile strength
- Excellent optical properties

APPLICATIONS

- Automotive ECUs
- Outdoor junction boxes
- Semiconductor modules
- LED encapsulation
- High voltage resistors
- Electronic potting

AVAILABILITY

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

STORAGE / SHELF LIFE

SI284 may be stored in original, unopened containers at, or below, 75F for up to one (1) year.

DESCRIPTION

FISi/ SI284 is a clear, high-strength, two-component, silicone-based potting and encapsulating compound with high transparency and excellent dielectric properties.

TYPICAL PROPERTIES

Physical Property	Test Method	Performance Range
Appearance (mixed)	Visual	Clear liquid
Mix Ratio		1:1 By Volume (1:1 By Weight)
Viscosity (Mixed)	Brookfield	5000-7000 cps
Specific Gravity		0.95 – 1.05
Worklife @ 25C		30 - 60 minutes
Cure Time @ 25C		24 hours
Shore Hardness	ASTM D 2240	45 - 50 Shore A
Service Temperature		-40C to 205C (-40F to 400F)
Tensile / Elongation	ASTM D 412	780 psi / 400%
Tear Resistance	ASTM D 1004	100 pli (Die C)
Dielectric Constant	ASTM D150	2.54 @100 Hz 2.55 @ 100 kHz
Dielectric Strength	ASTM D149	750 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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