



FISi/ SI9284 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

SI9284 may be stored in original, unopened containers at, or below, 75F for up to one (1) year.

DESCRIPTION

FISi/ SI9284 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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