



Epoxy &  
Polyurethane  
Manufacturing and  
Research

# TECHNICAL BULLETIN

## EPMAR® SS1875 Module Potting Compound

### Description

EPMAR® SS1875 is a two component, filled epoxy compound. The compound consists of part A filled resin and part B filled hardener. This epoxy compound was developed specifically for the potting of electric and electronic modules.

### Typical Uncured Properties

	Part A	Part B
Color	Black	Tan
Specific Gravity	1.5	1.6
Viscosity at 25°C Brookfield RVT Spindle 6, Speed 10	26,000	9,000
Shelf Life @ 25°C. Months (Minimum from date of Shipment)	6	6
Note: Values not intended for use in specification preparation		

### Physical Characteristics

Color	Black
Filler Content	55%
Hardness, Shore D	87 ± 3
Linear Shrinkage	0.5%
Operating Temperature	105°C.
Dielectric Strength (volts per mil)	450
Volume Resistivity (ohm-cm)	1.5 x 10 <sup>14</sup>
Dielectric Constant @ 25°C., 100 Hz	4.5
Dissipation Factor @ 25°C., 100 Hz	.0062
Water Absorption (24 hours)	1.02%
Mix Ratio	1:1 By weight or volume
Pot Life (100 gram mass @ 23°C.)	90-120 minutes
Gel Time (200 gram mass @ 50°C.)	30 minutes
Cure Schedule	24-36 hours at room temperature or 3 hours @ 60°C.

### Special Information

SS1875 is filled with a non abrasive filler and can be used in any auto mix, dispensing equipment. Stir part "A" and part "B" prior to use to redisperse filler evenly.



Epoxy &  
Polyurethane  
Manufacturing and  
Research

TECHNICAL BULLETIN  
EPMAR® SS1875  
Module Potting Compound

Contact EPMAR for any additional application information.

**Warranty**

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of this product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product, which is proved to be defective. Any claim of defective product must be received in writing within one (1) year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.

**Service is part of our formula**

**Epmar Corporation**

13210 Barton Circle, Santa Fe Springs, CA 90605-3254

Ph: 562.946.8781 / Fax: 562.944.9958

E-Mail: [epmar@quakerchem.com](mailto:epmar@quakerchem.com) Web Site: [www.epmar.com](http://www.epmar.com)