



Epoxy &
Polyurethane
Manufacturing and
Research

TECHNICAL BULLETIN

EPMAR® SS1874

Description

EPMAR® SS1874 is a clear, two component, room temperature curing epoxy compound. SS1874 was developed for applications where a clear casting compound are required.

Typical Uncured Properties

| | Part A | Part B | Mixed |
|--|-------------|-------------|-------------|
| Color | Clear Amber | Clear Amber | Clear Amber |
| Specific Gravity | 1.16 | 0.99 | 1.10 |
| Viscosity at 25°C, cps | 1,200 | 200 | 600 |
| Note: Values not intended for use in specification preparation | | | |

Physical Characteristics

| | |
|--|--|
| Hardness, Shore D | 80 |
| Shrinkage (in/in/°C.) | .60% |
| Coefficient of Linear Thermal Expansion (CTE) in/in/°C. in/in/°C. in/in/°F. | 60×10^{-6} 6×10^{-5} 3.33×10^{-5} |
| Dielectrical Strength (V/mil) | 515 |
| Dielectrical Constant @ 100 Hz, 25°C. | 4.1 |
| Dissipation Factor @ 100 Hz, 25°C. | 0.012 |
| Volume Resistivity @ 25°C. (ohm-cm) | 3.1×10^{14} |
| Surface Resistivity @ 25°C. (ohm-cm) | 4.0×10^{15} |
| Mix Ratio | 100:50 Parts By Volume 100:42 Parts By Weight 100:50 Parts by Weight (can be used with no adverse effects) |
| Pot Life (100 gram mass @ 25°C.) | 60 minutes |
| Gel Time | 70 minutes |
| Cure Schedule | 4 hours @ 80°C or 7 days @ 25°C |

Note: Part "A" is a high purity epoxy resin. Store above 60 degrees continuously to avoid crystallization and resulting cloudiness.



Epoxy &
Polyurethane
Manufacturing and
Research

TECHNICAL BULLETIN
EPMAR® SS1874

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 Web Site: www.epmar.com