

## Electro-Seal 1959

### Description

Electro-Seal 1959 is a one-component, low viscosity, oxime cure, solvent type silicone coating that cures on exposure to atmospheric moisture to form an elastomer. The product is suitable for high voltage insulator coating to protect the insulator against insulation deterioration due to deposits of dust, salt particles.

### Key Features

- Low viscosity
- Primerless adhesion to many substrates
- Excellent electrical insulation properties
- Excellent arc resistance

### Typical Physical Properties

| <b>UNCURED PROPERTIES</b>  |                                   |
|----------------------------|-----------------------------------|
| Appearance                 | White, flowable                   |
| Viscosity                  | 0.6 Pa's                          |
| Tack-free time (23°C)      | 15 min                            |
| Density (23°C)             | 1.09 g/cm <sup>3</sup>            |
| Solid Content (2h @ 150°C) | 60%                               |
| Solvent                    | Isoparaffin                       |
| <b>CURED PROPERTIES</b>    |                                   |
| Appearance                 | White elastomer                   |
| Density (23C)              | 1.61 g/cm <sup>3</sup>            |
| Hardness (Type A)          | 60                                |
| Tensile strength           | 2.3 MPa (23 kgf/cm <sup>2</sup> ) |
| Elongation                 | 100%                              |
| Volume resistivity         | 3.0x10 <sup>16</sup> cm           |

|                            |   |
|----------------------------|---|
| Dielectric strength        | 23 kV/mm  |
| Dielectric constant        | 3.80 at 100Hz<br>3.71 at 1kHz<br>3.60 at 100kHz |
| Dissipation factor         | 0.01 at 100Hz<br>0.01 at 1kHz<br>0.01 at 100kHz |
| Arc resistance (ASTM D495) | 246   |

Typical property data value should not be used as specifications

### Potential Applications

- High Voltage Insulator coating
- Industrial coating

### General Instructions for Use

Apply the product by spraying, brushing or dipping and cure at room temperature.

### Handling and Safety

Wear eye protection and protective gloves as required while handling the product. Adequate ventilation must be maintained in the work place at times.

### Storage

Store in a cool dry place out of direct sunlight. Keep out of the reach of children.

### Packaging

20kg pail available

### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

### Product Safety Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers)

may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

**Limitations**

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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