

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

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

| | |
|----------------------------|---|
| Dielectric strength | 23 kV/mm |
| Dielectric constant | 3.80 at 100Hz 3.71 at 1kHz 3.60 at 100kHz |
| Dissipation factor | 0.01 at 100Hz 0.01 at 1kHz 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 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.

Contact Information

Email

commercial.services@momentive.com

Telephone

| Americas | Latin America | EMEAI- Europe, Middle East, Africa & India | ASIA PACIFIC |
|--------------------------------|----------------------|---|---------------------|
| +1 800 295 2392 | Brazil | Europe | China |
| Toll free* | +55 11 4534 9650 | +390510924300 | 800 820 0202 |
| +704 805 6946 | Direct Number | Direct number | Toll free |
| Direct Number | | | +86 21 3860 4892 |
| | | | Direct number |
| *All American countries | Mexico | India, Middle East & Africa | Japan |
| | +52 55 2169 7670 | + 91 44 71212207 | +81 3 5544 3111 |
| | Direct Number | Direct number* | Direct number |
| | | *All Middle Eastern countries, Africa, India, | Korea |
| | | | +82 2 6201 4600 |

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