

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

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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.

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