

## SILTRUST™ ECC3010 CONFORMAL COATING

### Description

SILTRUST ECC3010 is a one-component low viscosity silicone conformal coating that cures on exposure to atmospheric moisture to form an elastomer.

### Key Features and Typical Benefits

- Fast tack-free time
- Low viscosity (Solventless)
- Non-corrosive to metals
- Low odor cure: releases an alcohol vapor during cure
- Contains UV indicator for ease in inspection under black light
- Flame retardant: UL94V-0 recognized (File No. E135148)

### Typical Properties

<u>Property</u>	<u>Unit</u>	<u>Value</u>
<b>Uncured Properties</b>		
Appearance		Translucent, flowable
Viscosity (23 °C)	mPa·s {cP}	110{110}
Tack-free time <sup>1</sup> (23 °C, 50%RH)	min	3
Cure Time <sup>1</sup> (23 °C, 50%RH)	min	10
Cure Time <sup>1</sup> (60 °C, 15%RH)	min	2
<b>Cured Properties (3 days at 23 °C, 50%RH)</b>		
Appearance		Translucent, elastomer
Density	g/cm <sup>3</sup>	0.99
Hardness (Type A)		35
Volume Resistivity	Ω·cm	1 x 10 <sup>15</sup>

Dielectric Strength	kV/mm	20
Dielectric Constant (60Hz)		2.78
Dielectric Loss (60Hz)		0.001

Typical property data values should not be used as specifications.

<sup>1</sup>Thickness: 100µm

## Potential Applications

- Conformal coating of electrical and electronic parts
- Moistureproof coating of circuit boards
- Thin section potting of electrical and electronic parts

## General Considerations for Use

While the typical operating temperature for silicone materials ranges from -45°C to 200°C, the long-term maintenance of its initial properties is dependent upon design related stress considerations, substrate materials, frequency of thermal cycles, and other factors.

## 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.

**Contact Information**

Email

[commercial.services@momentive.com](mailto:commercial.services@momentive.com)

**Telephone**

<b>Americas</b>	<b>Latin America</b>	<b>EMEAI- Europe, Middle East, Africa &amp; India</b>	<b>ASIA PACIFIC</b>
+1 800 295 2392	<b>Brazil</b>	<b>Europe</b>	<b>China</b>
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	<b>Mexico</b>	<b>India, Middle East &amp; Africa</b>	<b>Japan</b>
	+52 55 2169 7670	+ 91 44 71212207	+81 3 5544 3111
	Direct Number	Direct number*	Direct number
		<b>*All Middle Eastern countries, Africa, India,</b>	<b>Korea</b>
			+82 2 6201 4600

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