

## SilTRUST™ TSE3661 FLOWABLE SILICONE ENCAPSULANT

### Description

SilTRUST TSE3661 is a two-component condensation cure silicone rubber designed for electric potting. SilTRUST TSE3661 cures at room temperature to form an elastic rubber and adheres to various types of materials such as metal, plastics, glass and ceramics without the use of primers.

### Key Features and Benefits

- Low viscosity allows for excellent flowability
- Fast Cure
- Excellent deep section cure
- Excellent adhesive properties : primerless adhesion to many types of substrates
- No cure inhibition
- Flame retardant: UL94HB recognized (File No: E56745)

### Typical Physical Properties

(JIS K 6249)		
Uncured Properties (23°C, 50%RH)	SilTRUST TSE3661(A)	SilTRUST TSE3661(C)
Appearance	White	Blue-Green
Specific Gravity	1.20	1.04
Viscosity Pa•s	4.0	0.01
Mixing Ratio by Weight	100:3	

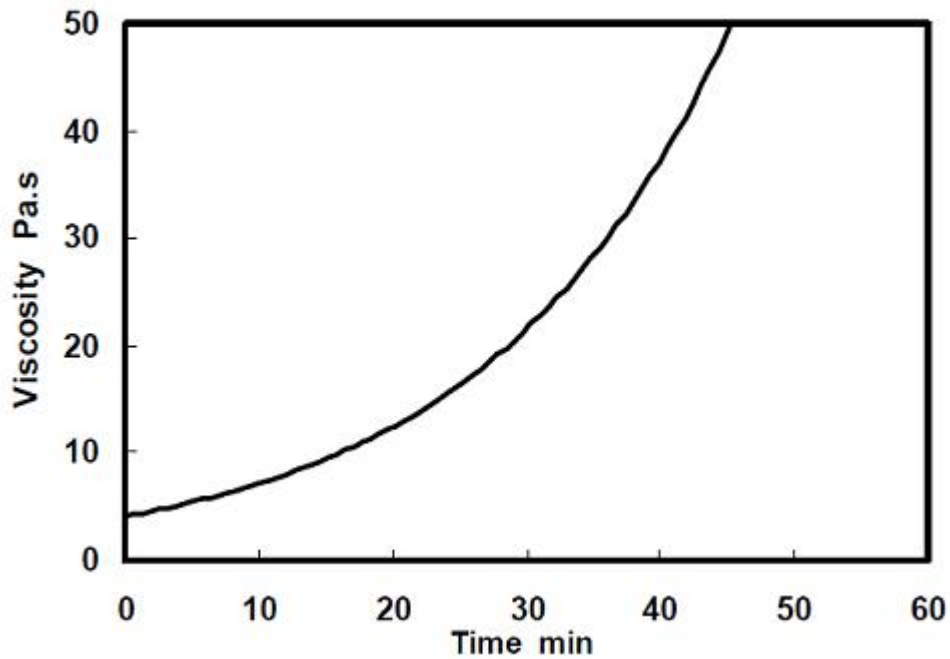
Viscosity after Mixing Pa•s	3.5
Pot Life, h	0.1
Tack Free Time, min	20
Cured Properties (3 days @ 23°C, 50%RH)	
Appearance	Elastic rubber, Blue-Green
Density g/cm <sup>3</sup>	1.20
Hardness (Type A)	30
Tensile Strength, MPa	1.1
Elongation, %	120
Adhesive Strength (GL lap share) MPa	0.8
Volume Resistivity, Ω•m	1.0 x 10 <sup>15</sup>
Dielectric Strength, kV/mm	20
Dielectric Constant (60Hz)	3.2
Dissipation Factor (60Hz)	0.02
Thermal Conductivity <sup>(1)</sup> W/m•K	0.27

1) In-house test method

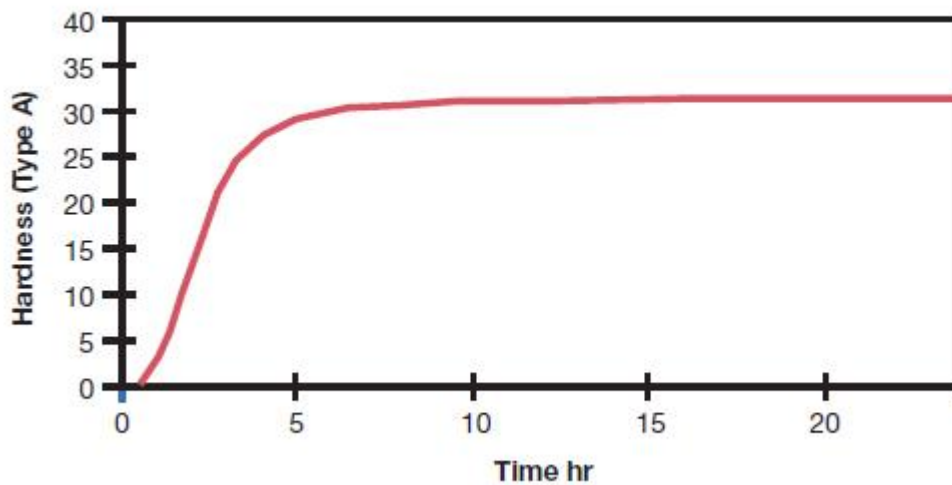
Typical property data values should not be used as specifications.

## Potential Applications

- Potting of electric and communications parts
- Moisture proof sealing of meters
- Moisture proof coating of electric circuit boards



### Cure Property: Hardness (23°C, 50%RH)



### 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**

For product prices, availability, or order placement, contact our customer service at [Momentive.com/CustomerService/](http://Momentive.com/CustomerService/) For literature and technical assistance, visit our website at: [www.momentive.com](http://www.momentive.com)

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