

SILTRUST™ TSE3064-B GEL

Product Description

SILTRUST TSE3064-B is a two-component, silicone gel that can be used for electronics applications. This product cures quickly at room temperature to a soft, tacky gel with the addition of curing agent. The soft nature and cushioning effect of this product can provide excellent protection for electronic assemblies from external humidity, mechanical shock, and vibration.

Key Features

- Faster, room temperature cure; can require 12 to 18 minutes to cure under typical conditions.
- Good adhesion
- Convenient 1:1 mix ratio by weight
- Moderate viscosity; easily spread
- Soft, tacky, and sticky gel. Absorbs shock and can protect delicate mechanical components from vibration
- Hydrosilation cure mechanism means reactive by-products can be avoided

Typical Benefits

- No need for heating in the curing process
- Suitable for larger size display potting
- Easy processability, potentially leading to more equipment efficiencies
- Shock absorbing capabilities can offer protection to delicate mechanical components from vibration
- Excellent resistance to corrosion

Typical Physical Properties

	Unit	TSE3064-B	
Appearance		Black	
Uncured Properties at 23°C		(A)	(B)
Viscosity at 23°C	Pa.s	0.42	0.26
Specific Gravity	g/cm ³	0.97	0.98
Viscosity after mixing	Pa.s	0.34	
Gel time at 25°C	Min.	10	
Cured properties (0.5hr at 60°C)			
Specific Gravity	g/cm ³	0.97	
Hardness	Shore 00	34	
Dielectric Strength	kV/mm	20	
Volume Resistivity	M Ohm · m	1×10 ⁶	

Typical properties are average data and are not to be used as or to develop specifications.

General Considerations for Use

- Materials such as water, sulfur, nitrogen compounds, organic metallic salts, phosphorus compounds, etc. contained in the surface of the substrate can inhibit curing.
- A sample patch should always be tested in order to determine compatibility.
- All parts should be as clean and dry as possible prior to application.
- Eye protection and protective gloves should always be worn when working with this product.
- Always maintain adequate ventilation in the workplace.
- Keep out of the reach of children.

Storage

- Store in a cool dry place out of direct sunlight

Available Package

- 180Kg Metal Drum

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.

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