



# TSE326M

## TSE326M

### Description

TSE326M is a one-component, heat curable silicone adhesive designed for high temperature applications. TSE326M adheres well to a variety of substrates, such as metals, plastics, ceramics and glass without the use of a primer.

### Key Features and Benefits

- Ready to use - one component
- Excellent high temperature resistance
- Heat accelerated cure
- Excellent adhesive properties; primerless adhesion to many types of substrates
- Non corrosive to metals

### Typical Physical Properties

Typical uncured properties		
Appearance		Flowable
Colour		Reddish brown
Viscosity	Pa·s	16
Typical cured properties(0,5hr @200°C)		
Appearance		Reddish brown
Density	g/cm <sup>3</sup>	1.46
Hardness	Shore A	38
Tensile strength	MPa	2.9
Elongation	%	180
Adhesive strength(Aluminium Lap shear)	MPa	1.5
Thermal conductivity	W/m·K	0.41
Volume resistivity	Ohm·cm	2·10 <sup>15</sup>
Dielectric strength	kV/mm	22
Dielectric constant @ 60Hz		3.3
Dissipation factor @ 60Hz		0.02

### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a 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

Material Safety Data Sheets are available upon request from Momentive Performance Materials. Similar information for solvents and other chemicals used with the Momentive Performance Materials products should be obtained from your supplier. When solvents are used, proper safety precautions must be observed.

The warranted shelf life will be indicated by the 'use before date' on the associated documents with a minimum of 4 months when stored in the original unopened containers between **10°C or less**.

Customers should review the latest Material Safety Data Sheet (MSDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. MSDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any Momentive Performance Materials (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.

## Processing Recommendations

TSE 326M is a single component addition curing ready to use adhesive. Materials such as water, sulphur, nitrogen compounds, organic metallic salts, phosphorous compounds, etc. contained in the surface of the substrate can inhibit curing. A sample patch should always be conducted before proceeding to determine compatibility.

### Cure Time vs. Temperature

Actual cure time will depend on the type and efficiency of the oven used, and the shape and heat capacity of the parts and containers. A sample test should be conducted to determine the appropriate cure time.

Temperature	Cure Time
120°C	3 h
150°C	1.5 h
200°C	0.5 h

## Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

## Availability

TSE 326M is available in 1kg cans and 20kg pails.

## Adhesion Capability

### Suitable substrates:

Metal: Aluminium, Copper, Ni plated, Stainless Steel  
Plastics: PPS, PBT, Epoxy resin, Polyester, Phenolic resin  
Rubber: Heat cured silicone rubber  
Inorganics: Glass, Ceramics

### Not suitable substrates:

Plastics: PP, PE, Fluorocarbon resin  
Rubber: RTV silicone rubber, Sulphur vulcanized rubber, Fluorocarbon rubber

### Contact Information

For product prices, availability, or order placement, contact our customer service by visiting [momentive.com/ContactSilicones](http://momentive.com/ContactSilicones).

For literature and technical assistance, visit our website at: [www.momentive.com](http://www.momentive.com)

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