



TSE3826

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Description

TSE3826 is a one-component, oxime curing, silicone adhesive sealant for high temperature applications. TSE3826 cures at room temperature with moisture in the air to an elastomeric rubber and bonds without the use of a primer to substrates like metals, plastics, ceramics and glass.

Key Features and Benefits

- One-component, no mixing, easy-to-use
- Excellent high temperature resistance; approved UL746 Temperature Index: 200C (File No: E56745)
- Primerless adhesion to many substrates
- Neutral Cure; Little risk of corrosion (corrosion to copper and copper alloys)
- Excellent weatherability; ozone and chemical resistance
- Excellent Dielectric properties

Typical Physical Properties

Typical uncured Properties		
Appearance		Thixotropic paste, reddishbrown
Tack-free Time at 23°C	minutes	10

Typical cured Properties (7 days @ 23°C / 50% RH)		
Appearance		Reddish brown, elastomeric rubber
Density	g/cm ³	1.04
Hardness	Shore A	29
Tensile strength	MPa	2.0
Elongation	%	400
Adhesive Properties (AL/AL)		
Adhesive strength	MPa	1.4
Cohesive Failure	%	100
Electrical Properties (cured)		
Volume resistivity	ohm-cm	1x10 ¹⁵
Dielectric strength	kV/mm	23
Dielectric constant (60 Hz)		2.9
Dielectric loss (60 Hz)		0.004

Potential Applications

- Sealing and encapsulating of heating elements in appliances
- Electrical insulation requiring heat resistance
- General adhesive for metals, glass, plastics, etc

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

The 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 below 25° C.

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 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

Surface Preparation

TSE 3826 will bond to many clean surfaces without the aid of primers. These surfaces typically include many metals, glass, ceramic, silicone rubber and some rigid plastics. Where adhesion is required, surfaces should be thoroughly cleaned with a suitable solvent such as naphtha, iso propyl alcohol (IPA) or methyl ethyl ketone (MEK) to remove dirt, oil and grease. The surface should be wiped dry before applying the adhesive sealant. When solvents are used, proper safety precautions must be observed.

Limitations

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

Availability

TSE 3826 is available in 333ml cartridges.

Contact Information

For product prices, availability, or order placement, contact our customer service by visiting momentive.com/ContactSilicones.

For literature and technical assistance, visit our website at: www.momentive.com

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