

TSE3826

Heat Resistant Adhesive /Sealant

Product 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 Performance Properties

- 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

Applications

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

Typical Product Data

Typical uncured Properties		
Appearance		Thixotropic paste, reddish brown
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



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

Specifications

Typical product data values should not be used as specifications. Assistance and specifications are available by contacting Momentive performance materials Silicones Technical Service RTV1 and RTV2.

Instructions for Use

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.

Handling and Safety

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.

Storage and Warranty Period

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.

Availability

TSE 3826 is available in 333ml cartridges.



PRINCIPAL LOCATIONS – Regional Information

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Pacific	Akasaka Park Building - 5-2-20 Akasaka Minato-ku, Tokyo 107-6112 Japan	T +81.3.5544.3100	F +81.3.5544.3101

CUSTOMER SERVICE CENTERS

North America	Charleston, WV 25314, USA E cs-na.silicones@momentive.com		
	• Specialty Fluids	T 800.523.5862	F 304.746.1654
	• UA, Silanes, Resins, and Specialties	T 800.334.4674	F 304.746.1623
	• RTV Products-Elastomers	T 800.332.3390	F 304.746.1623
	• Sealants and Adhesives & Construction	T 877.943.7325	F 304.746.1654
Latin America	E cs-la.silicones@momentive.com		
	• Argentina & Chile	T +54.11.4862.9544	F +54.11.4862.9544
	• Brazil	T +55.11.4534.9650	F +55.11.4534.9660
	• Mexico & Central America	T +52.55.5899.5135	F +52.55.5899.5138
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	• Korea	T +82.2.6201.4600	
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