

TSE 326

Product Description TSE326 is a one-component, heat curable silicone adhesive designed for high temperature applications. TSE326 adheres well to a variety of substrates, such as metals, plastics, ceramics and glass without the use of a primer.

- Key Performance Properties**
- 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 Product Data

Typical uncured properties		
Appearance		Semi -flowable
Colour		Reddish brown
Viscosity	Pa·s	28
Typical cured properties (0,5hr @200°C)		
Appearance		Reddish brown
Density	g/cm ³	1.45
Hardness	Shore A	43
Tensile strength	MPa	3.4
Elongation	%	170
Adhesive strength (Alu lap shear)	MPa	2.0
Thermal conductivity	W/ m·K	0.41
Volume resistivity	ohm·cm	2·10 ¹⁵
Dielectric strength	kV/mm	22
Dielectric constant @ 60Hz		3.3
Dissipation factor @ 60Hz		0.02

Heat resistant properties at 230 °C				
			250 h	500 h
Hardness	Shore A	43	54	58
Tensile strength	Mpa	3.4	4.2	4.2
Elongation	%	170	100	70

Specifications

Typical product data values should not be used as specifications. Assistance and specifications are available by contacting Momentive performance materials Technical Service RTV 1 and RTV 2.

Instructions for Use

TSE 326 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
100°C	4 h
120°C	2 h
150°C	1 h

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



- Handling and Safety** Material and Safety Data Sheets are available upon request from Momentive performance materials. Similar information from solvents and other chemicals used with the Momentive performance materials products should be obtained from the supplier.
When solvent is used, proper safety precautions must be observed.
- Storage and Warranty Period** The warranted shelf life from the material will be indicated by the “use before date” on the associated documents with a minimum of 4 months when stored in unopened containers at **10°C or less**.
- Availability** TSE 326 is available in 140g tubes, 310ml cartridges, 1kg cans and 20kg pails.



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		
	<ul style="list-style-type: none"> Specialty Fluids UA, Silanes, Resins, and Specialties RTV Products-Elastomers Sealants and Adhesives & Construction 	T 800.523.5862 T 800.334.4674 T 800.332.3390 T 877.943.7325	F 304.746.1654 F 304.746.1623 F 304.746.1623 F 304.746.1654
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