

TSE387

General Purpose Silicone Adhesive Sealant

Product Description

TSE387 is a one-component, oxime curing, silicone adhesive sealant, which cures at room temperature with moisture in the air to an elastomeric rubber. TSE387 has a pourable consistency and excellent adhesion to metals, plastics, ceramics and glass without the use of a primer.

Key Performance Properties

- Primerless adhesion to many substrates
- Neutral cure; little risk of corrosion (corrosion to copper and copper alloys)
- Excellent dielectric properties
- Excellent weatherability; ozone and chemical resistance
- Can be supplied in translucent, black, and white
- Simple and easy-to-use one-component system

Applications

- Industrial sealing and coating.
- Electrical insulation
- Thin section potting of electrical components
- General adhesive for metals, glass and plastics

Typical Product Data

Typical uncured Properties		
Appearance		Flowable material
Tack-free Time at 23°C	minutes	90
Viscosity at 23°C	mPa.s	60.000

Typical cured Properties (7 days @ 23°C / 50% RH)		
Appearance		elastic rubber
Specific gravity	g/cm ³	1.04
Hardness	Shore A	25
Tensile strength	MPa	1.8
Elongation	%	300



Adhesive Properties (AL/AL)		
Adhesive strength	MPa	1.3
Cohesive Failure	%	100
Electrical Properties (cured)		
Volume resistivity	ohm·cm	1x10 ¹⁵
Dielectric strength	kV/mm	20
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 Technical Service RTV1 and RTV2.

Instructions for Use

Surface Preparation

TSE 387 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. TSE387 releases methyl ethyl ketoxime vapours during cure. Adequate ventilation must be maintained in the work place at all times. MSDS's 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 warranted shelf life will be indicated by the 'use before date' on the associated documents with a minimum of 3 months when stored in the original unopened containers below 27° C.

Availability

TSE387 C is available in 100 g tubes, 333ml cartridges and 18 kg pails.
TSE387 W is available in 100 g tubes and 18 kg pails
TSE387 B 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

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