

Silicone Potting Rubber

TSE3331

from MT for 4500ATN

TSE3331 is a two-component, heat curable silicone rubber designed for electric and electronic potting. TSE3331 cures with heat to form a elastic, flame retardant rubber and adheres to various types of materials such as metals, plastics, glass and ceramics without the use of primers.

KEY FEATURES

- ◆ Convenient 1:1 mix ratio by weight
- ◆ Excellent thermal conductivity properties
- ◆ Low viscosity allows for excellent flowability
- ◆ Excellent adhesive properties ; primerless adhesion to many types of substrates
- ◆ Excellent flammability properties ; **UL94 V-0 recognized (File No : E56745)**
- ◆ Resistance to temperature extremes
- ◆ Non-corrosive to metal

APPLICATIONS

- ◆ Potting of electronic parts required flame retardancy
- ◆ Potting of high voltage parts
- ◆ Moistureproof coating of electronic circuit boards

TYPICAL PROPERTY DATA

UNCURED PROPERTIES		TSE3331	
		(A)	(B)
Appearance		Black	White
Viscosity (23°C)	Pa·s {P}	4.1 {41}	3.5 {35}
After mixing (23°C)	Pa·s {P}	3.5 {35}	
Mix ratio by weight		1:1	
CURED PROPERTIES (1hr@120°C)		TSE3331	
Appearance		Elastic rubber, Black	
Specific gravity (23°C)		1.51	
Hardness (Type A)		60	
Tensile strength	MPa {kgf/cm ² }	2.9 {30}	
Elongation	%	50	
Adhesive strength*	MPa {kgf/cm ² }	1.3 {13}	
Thermal conductivity	W/m·K {cal/cm·s·°C}	0.63 {1.50x10 ⁻³ }	

* Auminum Lap Shear

TSE3331

GENERAL INSTRUCTIONS FOR USE

- ◆ Materials such as water, sulfur, nitrogen compounds, organic metallic salts, phosphorus compounds, etc. contained in the surface of the substrate can inhibit curing. A sample patch should always be conducted before proceeding to determine compatibility.
- ◆ Maintain adequate ventilation in the work place at all times.

STORAGE

- ◆ Store in a cool dry place out of direct sunlight.
- ◆ Keep out of the reach of children.

PACKAGING

TSE3331(A)	1kg can available in cases of 10 cans 1.5kg can available in cases of 10 cans 6kg can available in cases of 2 cans 25kg pail available by the pail
TSE3331(B)	1kg can available in cases of 10 cans 1.5kg can available in cases of 10 cans 6kg can available in cases of 2 cans 25kg pail available by the pail

TSE3331 E
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FOR INDUSTRIAL USE ONLY

It is the responsibility of the user to determine the suitability of any GE TOSHIBA SILICONES product for any intended application. NEVER USE ANY GE TOSHIBA SILICONES PRODUCT FOR IMPLANTATION OR INJECTION INTO THE HUMAN BODY. Specifications are available by contacting GE TOSHIBA SILICONES. Typical property data values should not be used as specifications. Inasmuch as GE TOSHIBA SILICONES Company, Ltd. has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the suitability of the material for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any GE TOSHIBA SILICONES patent covering use or as recommendations for use of such materials in the infringement of any patent. Material Safety Data Sheets are available upon request from GE TOSHIBA SILICONES. The contents of this catalog are subject to change without notice. No part of this data may be reproduced without the prior approval of GE TOSHIBA SILICONES.



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