



TSE3261G

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Description

TSE3261-G is a one-component heat curable silicone adhesive designed for high temperature applications. TSE3261-G adheres well to a variety of substrates such as metals, plastics, ceramics and glass without the use of a primer.

Key Features and Benefits

- Ready to use - one component
- Excellent high temperature resistance
- Heat accelerated cure
- Excellent adhesive properties; primerless adhesion to many types of substrates
- Gray color
- Non corrosive to metals

Typical Physical Properties

Typical uncured properties	
Appearance	gray, flowable
Viscosity, (23°C) cps	80,000
Typical cured properties (1 hr. @ 150c)	
Appearance	Gray
Specific Gravity (23°C)	1.48
Hardness (Type A)	54
Tensile Strength MPa (psi)	4.9 (713)
Elongation %	160
Adhesive Strength* MPa (psi)	1.8 (257)
Thermal Conductivity W/m K {cal/scm°C}	0.41 (1.0 x10 ³)
Volume Resistivity ohm cm	(2x10 ¹⁵)
Dielectric Strength kV/mm	22
Dielectric Constant (60Hz)	3.3
Dielectric Loss (60Hz)	0.02

* Aluminum Lap Shear

Potential Applications

- Sealing and bonding for high temperature applications- Heaters, Steam Irons, Micro Wave Ovens.
- Sealing, bonding and potting for electrical appliances and electronic parts.

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 warranty period is 12 months from date of shipment from Momentive Performance Materials if stored in the original unopened container at temperatures below 50°F (10°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

- Ensure that all surfaces are clean, dry and free from oil, grease, dust, and all foreign matter.
- 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.
- Pour material onto the surface and apply heat to cure the material
- 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. Typical cure times and temperatures as follows

Temperature	Cure Time
120°C	2 h
150°C	1 h
180°C	10 min

Limitations

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

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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