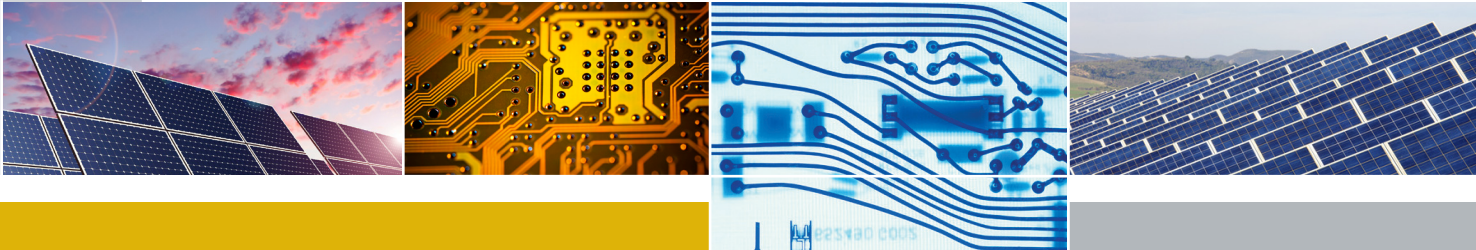


Protective Silicone Potting & Encapsulation Materials



Momentive Performance Materials provides leading-edge silicone technologies to help meet performance and productivity challenges in a wide range of automotive and electronic applications.

Momentive’s dielectric potting and encapsulation materials are used to protect electronic components from moisture and harmful contaminants, while providing stress relief protection to circuits from thermal, vibration, and mechanical stress. Momentive offers a range of materials including one and two part products and specialized grades that provide thermal conductivity, flame retardancy, and low volatiles.

Key Features Available

- Temperature resistance
- Low modulus, good dampening properties
- Low viscosity
- Very fast cure
- High dielectric strength
- Self-healing gels

Key Typical Benefits

- Under the hood usage
- Thermal and mechanical stress protection
- Easily flows around components
- Productivity, high outputs
- Reliability
- Probe testable

Potential Application Examples

- ECU potting
- Air flow mass meter
- Sensor potting
- LED encapsulants

Potting Gels & Encapsulants (selected grades only, please contact us for material selection support)

Product	System ¹	Ratio	Cure Time	Color	Type	Viscosity (Pa·s)	Feature
UV Gel 100	UV, 2K	10:1	5 min @ RT	Clear	Gel	1	Fast UV cure at RT
TSE3070	AC, 2K	1:1	0.5 hr @ 70 °C	Clear	Gel	1	Excellent vibration damping
TSE3051	AC, 1K	n.a.	1 hr @ 150 °C	Clear	Gel	0.7	1K - Easy handling
TSE3032	AC, 2K	10:1	1 hr @ 100 °C	Clear	Rubber	4	Non bonding
TSE3033	AC, 2K	1:1	30 min @ 150 °C	Clear	Rubber	1	Self bonding
TSE3331 K-EX	AC, 2K	1:1	10 min @ 100 °C	Dark grey	Rubber	3	UL94 - V0. Thermal conductive
TSE3251	AC, 1K	n.a.	1 hr @ 150 °C	White	Rubber	8.5	1K - Easy handling
TSE3664K	CC, 2K	100:7.5	24 hr @ RT	Dark grey	Rubber	3.0	Low temp adhesion, UL-94 V-0
RTV11	CC, 2K	Variable	24 hr @ RT	White	Rubber	11	FDA compliant ² , deep section cure possible
TSE3663	CC, 2K	100:2	24 hr @ RT	Beige	Rubber	4	Low temp adhesion, good deep section cure

¹ AC = Addition Cure, CC = Condensation Cure

² Compositionally compliant with the requirements of 21 CFR 177.2600 - Rubber articles intended for repeated use have been found, through testing of a representative sample, to meet the extractives limitations in 21 CFR 177.2600(e) and/or (f). - Footnote 1

Footnote 1: It is the responsibility of the user to determine that the final product complies with the extractive limitations and other requirements of 21 CFR 177.2600 under their specific manufacturing procedures.

Typical data are average and actual values may vary.
Typical data shall not be used as product specifications.

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