

# High Performance Silicone Adhesives & Sealants



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

Design freedom, long term performance and productivity needs, continue to drive the trend from mechanical assembly to high-speed, automated adhesion. Also, more and more components migrate to electronic solutions that need to be assembled. Momentive offers a range of fast cure silicone adhesives for high productivity assembly as well as solutions for electronic components that provide design flexibility and long-term component reliability under harsh operating conditions.

### Key Features Available

- Primerless adhesion to many substrates
- Fast cure
- Long term elasticity
- Non-corrosive
- One-component available
- Choice of cure systems

### Potential Application Examples

- Headlamp assemblies
- ECU adhesion
- Sensor adhesion
- Wire connector sealing
- HVAC systems

### Key Typical Benefits

- Broad Application
- Productivity, high outputs
- Compensate CTE mismatch
- Reduced risk for electronics
- Easy to use
- Design flexibility

## Adhesives & Sealants (selected grades only, please contact us for material selection support)

Product	Cure <sup>1</sup>	System	Cure Time/ Tack Free Time <sup>3</sup>	Color	Flowability	Feature
Addisil® 6101	AC	1 part	CT 10 min @ 125 °C	Black	Non-flowable	Fast bonding @ 125°C
TSE322 (B)	AC	1 part	CT 30 min @ 150 °C	Light blue (Black)	Flowable	Fast bonding @ T>125°C
TSE326M-EX	AC	1 part	CT 1 hr @ 150 °C	Red	Flowable	High heat stability
TN3005	CC	1 part	TFT < 10 min @ RT	Clear, white, black	Non-flowable	Tin free/Fast cure/Low volatile
TN3305	CC	1 part	TFT < 10 min @ RT	Clear, white, black	Flowable	Tin free/Fast cure/Low volatile
TN3085	CC	1 part	TFT < 10 min @ RT	White, grey	Non-flowable	Tin free/Fast cure/Low volatile
RTV210A/224 B	CC	2 part (10:1 w/w)	CT 15 min @ RT <sub>2</sub>	Black	Fast bonding @ ambient	Fast bonding @ ambient

<sup>1</sup> AC = Addition Cure / CC = Condensation Cure

<sup>2</sup> After 10 - 30 minutes cure at RT the bond strength is usually sufficient to allow part handling - full cure obtained after 1-3 days at ambient

<sup>3</sup> CT = Cure Time, TFT = Tack Free Time

Typical data are average and actual values may vary.

Typical data shall not be used as product specifications.

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