



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

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

Typical Benefits

- Broad application
- Productivity, high outputs
- Compensate CTE mismatch
- Reduced risk for electronics
- Ease of use
- Design flexibility

Potential Applications

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

Typical Physical Properties

(selected grades only; please contact us for material selection support)

| Product | Cure (1) | System | Cure Time / Tack Free Time (3) | Color | Flowability | Feature |
|--------------------------------|----------|-------------------|--------------------------------|---------------------|--------------|-----------------------------------|
| Addisil* 6101 adhesive sealant | AC | 1 part | CT 10 min @ 125 °C | Black | Non-flowable | Fast bonding @ 125 °C |
| TSE322 | 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 / 224B | CC | 2 part (10:1 w/w) | CT 15 min @ RT(2) | Black | Non-flowable | Fast bonding @ ambient |

(1) AC = Addition Cure, CC = Condensation Cure

(2) 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

(3) CT = Cure Time, TFT = Tack Free Time

Typical data are average data and are not to be used as or to develop specifications.

*Addisil is a trademark of Momentive Performance Materials GmbH.



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For more information and sampling inquiries, please visit momentive.com/CustomerService

Patent Status

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Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any 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.

Limitations

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

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