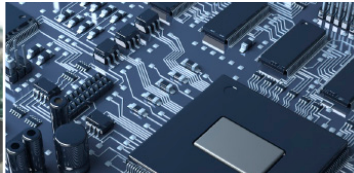
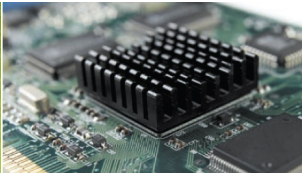
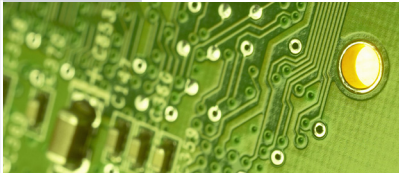


# Thermal Management Silicones



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

Long-term, reliable protection of sensitive electronic components is essential to many applications today. Increasingly small systems and rising circuit densities have resulted in higher operating temperatures, and driven demand for high-performance solutions for heat dissipation.

### Key Features

- Good mechanical properties
- Ageing stable elasticity
- Low thermal resistance at thin bond lines
- Very fast cure

### Key Typical Benefits

- Reliability
- Compensate for CTE mismatch
- Extended component life
- High Productivity

### Potential Application Examples

- Power modules
- Sensors
- Board assemblies
- LED assemblies

**Thermal Management Materials** (selected grades only, please contact us for material selection support)

Product	System <sup>1</sup>	Type	Cure Time <sup>2</sup>	Thermal Cond. (W/m-K)	Color	Flowability	Feature
TIG210BX	TIG	Grease	n.a.	2.1	Grey	Non Flowable	Low bleed grease
TIG830SP	TIG	Grease.	n.a.	4.1	Grey	Non Flowable	Screen printable grease
TIA216G	AC, 2K	Gel	30 min @ 70 °C	1.6	Grey	Flowable	8 Pa.s, soft rubber, tacky adhesion, re-mixing required prior to use.
TIA221G	AC, 2K	Gel	30 min @ 70 °C	2.1	Grey	Flowable	70 Pa.s, soft rubber, tacky adhesion, UL94-V0
TSE 3281-G	AC, 1K	Adhesive	30 min @ 150°C	1.7	Grey	Flowable	Adhesive
XE 13-C1862 PT	AC, 1K	Adhesive	30 min @ 150°C	2.4	Grey	Flowable	High elongation, pin transferable
XE11-B5320	CC, 1K	Adhesive	TFT 5 min @ RT	1.24	White	Non Flowable	Adhesion at RT, low volatile
TIA0220	CC, 1K	Adhesive	TFT 10 min @ RT	2.2	Grey	Semi Flowable	Adhesion at RT, high thermal conductivity

<sup>1</sup> AC = Addition Cure / CC = Condensation Cure / TIG = Thermal Interface Grease

<sup>2</sup> TFT = Tack Free Time

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