

The Future is Electrified

We support our customers with state-of-the-art research, application development labs and dedicated industry experts located around the world. Working with you, we will develop a complete process, from the first laboratory trials all the way to series production.



SILCOOL™ thermal management silicones have excellent thermal conductivity and consistent, long-term heat transfer performance.



Self-bonding LSR applications include sensor overmolding and housing sealing, and SILOPREN ultra-low compression set LSR can be used for electrical connectors.



SNAPSIL™ adhesives deliver improved bonding performance, ideal for everything from ECU housings to sealing electronic assembly.



We offer a wide range of advanced silicones to help protect electronic assemblies against environmental hazards like heat, humidity and liquids.

MOMENTIVE®

SILICONE SOLUTIONS FOR ELECTRIC VEHICLES



From thermal management and battery solutions to cable and connector materials; from sensor coatings to adhesives and seals -- Momentive's innovative silicones help shape the future of e-mobility!

WATCH ONLINE

Scan the QR codes with your phone's camera to watch the videos on the web.



Playlist: Silicones Solutions for E-mobility



Webcast: Thermal & EMI Shielding Materials



Video: Sprayable Hardcoats for Automotive



Webcast: Silopren™ LSR 3366/50



About Momentive

Momentive is a global leader in silicones and advanced materials, with a 75+ year heritage of being first to market with performance applications that support and improve everyday life.

www.momentive.com

SILICONES FOR E-MOBILITY

1 Power Electronics

For inverter systems (and IGBT modules), DC/DC converters, onboard chargers: Thermal management, encapsulation/potting, & sealing.

2 High Voltage Battery Systems

Thermal gap fillers, thermal adhesives, thermal potting / gel encapsulation, & sealing adhesives. For housing components: non-halogenated flame retardant silicone fluid.

3 Electrified Powertrain

For integrated drive motor / generator & e-axle: Encapsulation, connector potting, thermal potting/ management, sealing adhesives.

4 EV Thermal Solutions

For coolant heater, coolant pump, PTC air heater: Encapsulation, connector potting, thermal management, & sealing adhesives

5 EV Cables

Addisil™ 2070: utilized to meet stringent mechanical, electrical & thermal requirements.

6 Seals and Connectors

Silopren™ LSR 3366/50: high long-term heat-stability, low compression set. Silopren LSR 2725/40 - primer-less adhesion, good lubrication. Silopren LSR 2600 Series: lower viscosity, improved tear resistance, higher reactivity.

7 Fuel Cell Sealing

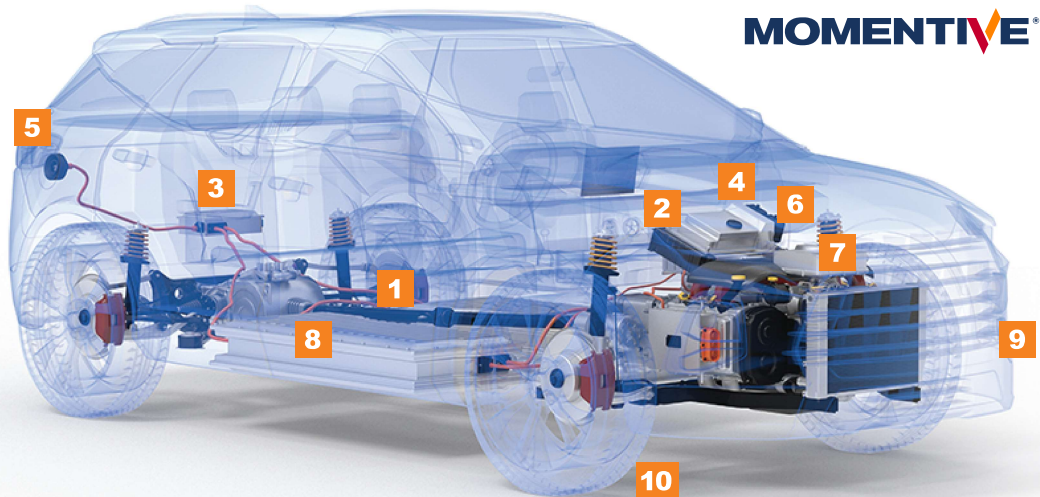
NL6140DFC - This LSR technology possesses low viscosity for decreased injection pressure; therefore, protection of the bipolar plate substrates during manufacturing/molding.

8 Two-Component Integrated Sealing Systems

LSR2740 - 2K hard-soft design systems can allow sealing features to be integrated into engineering thermoplastic part design.

9 Front-end Modules

SiIFORT™ hardcoats can provide excellent chemical, abrasion & weathering resistance, while maintaining a durable, glossy and easy-to-clean surface.



10 Sustainable Tire Solutions for Range

Tire silanes for silica compounds can yield improvements in range, grip, & sustainability (longer tire life).



Our innovative silicones solutions help drive the industry forward!

Contact an expert at:
batteryinfo@momentive.com

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