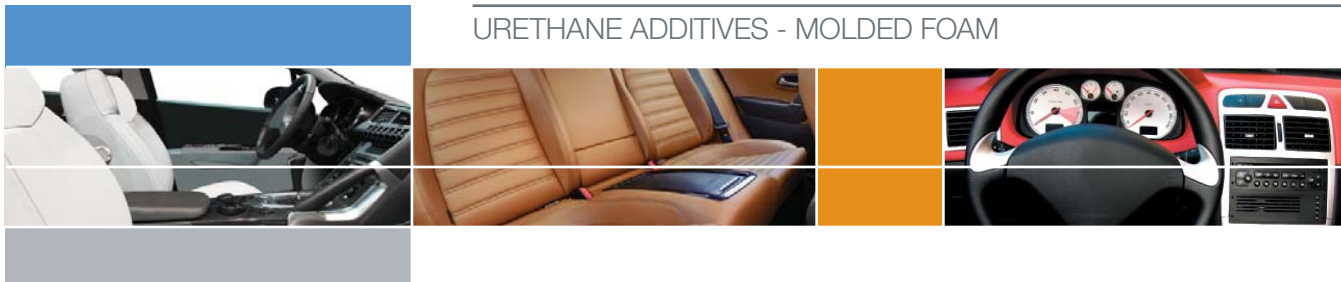


# NIAX\* Silicone L-3415

URETHANE ADDITIVES - MOLDED FOAM



Niax silicone L-3415 is a low emission silicone that may be considered for use in MDI molded foam. Niax silicone L-3415 can help provide wide processing latitude through excellent foam openness, while maintaining good cell-regulating characteristics and substantial reduction of silicone related emissions when compared to traditional MDI silicone surfactants.

### Key Features and Typical Benefits

- excellent stabilization in MDI HR molded foam formulations producing open foam with HR type cell structure and smooth skin.
- substantial reduction of silicone emission relative to the traditional MDI silicone.
- wide processing latitude.
- open-celled foam, yielding low force-to-crush and low shrinkage.

Typical Physical Properties	
Form	Clear liquid
Viscosity at 25°C, cSt	45
Color, Gardner (1963) scale	Pale yellow
Specific Gravity at 23°C	0.92
Flash Point, Pensky Martens Closed Cup (ASTM D 93), °C	>100
Freezing Point, °C	<5

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

## NIAX\* Silicone L-3415

### Performance

The performance of Nix silicone L-3415 is compared to Nix silicone L-3001 in the following table. Nix silicone L-3415 can offer the same foam openness and excellent cell regulation, producing a smooth skin and an HR type cell structure in the bulk of the part.

**Table 1: MDI Sample Formulation<sup>†</sup>**

Formulation	Parts by Weight			
Polyether Polyol (OH 28)	100	100	100	100
Cell Opener	1.5	1.5	0.7	0.7
Water (total)	3.6	3.6	3.6	3.6
DEOA (100%)	0.6	0.6	0.6	0.6
Nix catalyst EF-602	1.0	1.0	–	–
Nix catalyst EF-708	0.5	0.5	–	–
Nix catalyst A-400	–	–	0.3	0.3
Nix catalyst A-33	–	–	0.4	0.4
Nix silicone L-3001	0.5	–	1.0	–
Nix silicone L-3415	–	0.5	–	1.0
MDI Index	90	90	100	100
Foam Density, kg/m <sup>3</sup>	44.6	44.9	50.9	51.1
FTC, N	403	416	493	487

Note: Test data. Actual results may vary.

<sup>†</sup>Product formulations are included as illustrative examples only. Momentive makes no representation or warranty of any kind with respect to any such formulations, including, without limitation, concerning the efficacy or safety of any product manufactured using such formulations.

### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

### Product Safety, Handling and Storage

Customers considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials products 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.

## Emergency Service

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Momentive Performance Materials maintains an around-the-clock emergency service for its products.

<u>Location</u>	<u>Emergency Service Provider</u>	<u>Emergency Contact Number</u>
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Canada	CHEMTREC	1-800-424-9300
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Middle East	NCEC	+44 (0) 1235239671
Asia Pacific (except China)	NCEC	+44 (0) 1235239670
China	NCEC	+86-10-5100-3039
Latin America (except Brazil)	NCEC	+44 (0) 1235239670
Brazil	SOS Cotec	08000111767 or 08007071767
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At sea	Radio U.S. Coast Guard in U.S. waters NCEC in International waters	+44 (0) 1235239670

For Health related calls, contact Momentive Performance Materials at +1-518-233-2500 (English only).

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DO NOT WAIT. Phone if in doubt. You will be referred to a specialist for advice.

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