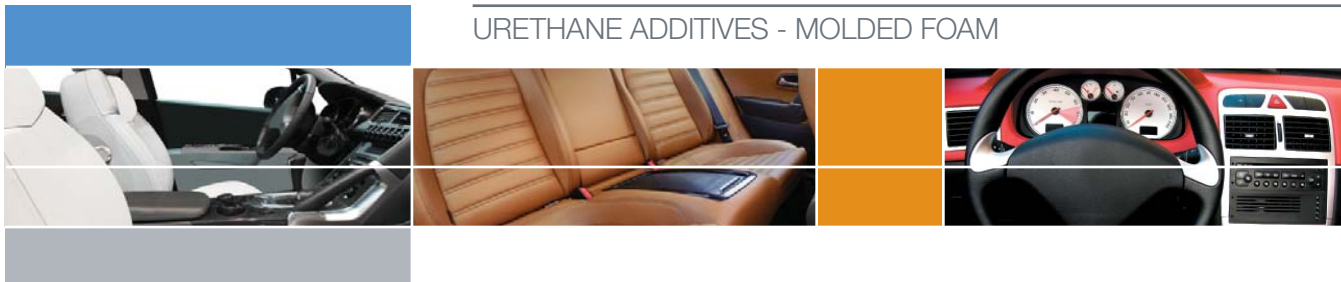


NIAX* Silicone L-3640

URETHANE ADDITIVES - MOLDED FOAM



Niax silicone L-3640 is a low emission silicone to consider for use in TDI/MDI and modified TDI HR molded foam. Niax silicone L-3640 typically provides wide processing latitude through excellent foam stabilization while maintaining foam openness along with shear collapse resistance at the vent.

Key Features and Typical Benefits

- high efficiency silicone stabilizer for lower stability TDI/MDI or modified TDI formulations
- low emission silicone
- Niax silicone L-3640 is an excellent candidate to consider for use with new higher reactivity polyols
- excellent performance with high solids-containing polyols
- open celled foam, yielding low force-to-crush and low shrinkage
- superior shear collapse resistance
- wide processing latitude

Typical Physical Properties

| | |
|-----------------------------|--------------|
| Form | Clear liquid |
| Viscosity at 25°C, cSt | 47 |
| Color, Gardner (1963) scale | Pale yellow |
| Specific Gravity at 23°C | 0.93 |
| Freezing Point, °C | 2 |

Typical Data are average data. The actual values may vary.
Product specifications for specific applications need to be agreed upon individually.

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Performance

The performance of Niax silicone L-3640 is generally comparable to that of Niax silicone L-5309 in TDI/MDI formulation. Niax silicone L-3640 typically offers similar foam openness producing a smooth skin and an HR type cell structure.

Table 1: TDI/MDI (80:20) Formulation

| Formulation | Parts by Weight | |
|---|-----------------|------|
| Polyol (6000 MW, OH 28) | 80 | |
| Polymer Polyol | 20 | |
| Water (total) | 3.3 | |
| DEOA (98%) | 0.3 | |
| Niix catalyst A-400 | 0.1 | |
| Niix catalyst A-300 | 0.4 | |
| Niix silicone L-5309 / Niix silicone L-3601 | 1.3 | |
| Niix silicone L-3640 | - | 0.8 |
| Niix silicone L-3620 | - | 0.4 |
| | | |
| TDI/MDI (80:20) Index | 100 | 100 |
| | | |
| Demold Time (min) | 6 | 6 |
| | | |
| Density (kg/m ³) | 50.9 | 50.9 |
| FTC (N) | 499 | 453 |
| Hot ILD (N) | 165 | 166 |

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.

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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 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.

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

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