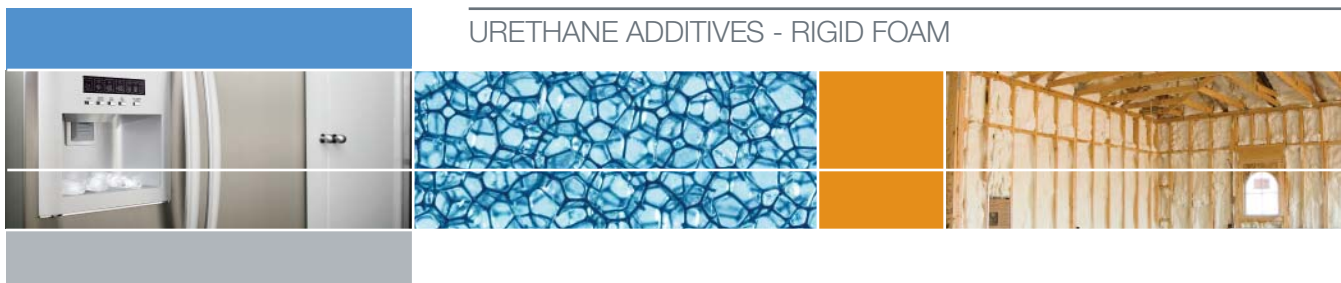


NIAX* Silicone L-6638

URETHANE ADDITIVES - RIGID FOAM



NiAx silicone L-6638 is a premium silicone copolymer that can be considered for rigid polyurethane foams manufactured with a continuous lamination process. It can deliver optimal, very low defect foam surface quality while offering high solubility with most common polyol blends. It is a versatile surfactant grade exhibiting excellent compatibility with typical rigid foam polyol blends and good foam flow; it may therefore be considered for use across rigid foam applications where these properties are required.

Key Features and Typical Benefits

- NiAx silicone L-6638 is an excellent candidate to consider for foams produced by continuous lamination, pentane blown process (both PUR and PIR), where it has been shown to offer optimal foam surface quality. It has shown excellent performance with n-pentane as the blowing agent, especially when high levels are used.
- NiAx silicone L-6638 has demonstrated the ability to reduce cell coalescence during foaming and under high shear stress conditions, with the potential to minimize the formation of voids migrating to the foam-substrate interface. Thus, it may be considered for use in fix gap lamination with fix or traversing head on metal sheet, for gas tight facings where the minimization of defects at the foam surface is important for durability and aesthetic performance.
- NiAx silicone L-6638 generally is compatible with typical rigid foam polyols and results in clear polyol-additive pre-blends when incorporated into the same.
- NiAx silicone L-6638 has been shown to reduce foam anisotropy, improve compression and foam dimensional stability while maintaining fine cells. It is therefore also an excellent candidate for block and discontinuous process. In addition to pentane blown foam it can be used with HFC's or water blown.
- The common use level range for NiAx silicone L-6638 is 2 to 4 parts per hundred of polyol (php); the void reduction effect typically increases with increased amounts.

Typical Physical Properties

Form	Clear to slightly hazy liquid
Viscosity at 25°C, cSt	1100
Pour Point °C	5
Specific Gravity, 25°C	1.05
Flash Point, Pensky Martens closed cup (ASTM D 93), °C	95

Typical product data values should not be used as specifications. Assistance and specifications are available by contacting Momentive sales office.

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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 should review the latest Material Safety Data Sheet (MSDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. MSDS are available at www.momentive.com or, upon request, from any Momentive Performance Materials (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.

Emergency Service

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

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Brazil	SOS Cotec	08000111767 or 08007071767
All other locations world wide	NCEC	+44 (0) 1235239670
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).

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

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