

Niax* silicone L-6635

Description

Niax silicone L-6635 is a premium silicone copolymer, and is an excellent candidate for rigid polyurethane foams manufactured with a continuous lamination process where it will deliver optimum foam surface quality mainly by reducing surface and sub-surface voids.

It is also a versatile surfactant exhibiting good foam stabilization and blowing agent compatibilization that can be effectively used in many other rigid foam applications where those effects are required.

Key Features and Typical Benefits

- Niax silicone L-6635 is recommended for foams produced by continuous lamination, pentane blown and with both polyurethane (PUR) and polyisocyanurate (PIR) chemistry. In this application it gives optimum foam surface quality. It's performance has been found excellent with n-pentane as the blowing agent, especially when high levels are used.
- Niax silicone L-6635 reduces cell coalescence during foaming and under high shear stress conditions, thus minimizing the formation of voids migrating to the foam-substrate interface. This makes it a great material candidate for fixed gap lamination with either a stationary or traversing head on rigid metal sheet or for flexible gas tight facings where the absence of defects at the foam surface is important.
- Niax silicone L-6635 reduces foam anisotropy and improves compression strength and dimensional stability while maintaining fine cells. It may therefore also be suited for the 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-6635 is 1.5 to 4 parts per hundred of polyol (php), the voids reduction effect increases with increasing the level.
- Niax silicone L-6635 offers excellent stability and compatibility with hydrocarbon blowing agents.

Typical Physical Properties

Form	Clear to slightly hazy liquid
Viscosity at 25°C, cSt	500
Pour Point, °C (°F)	15 (59)
Specific Gravity, 25°C	1.05
Flash Point, Pensky Martens closed cup (ASTM D 93), °C (°F)	90 (194)

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 Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any 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.

Contact Information

For product prices, availability, or order placement, contact our customer service at Momentive.com/CustomerService/

For literature and technical assistance, visit our website at: www.momentive.com

DISCLAIMER:

THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY "SUPPLIER"), ARE SOLD SUBJECT TO SUPPLIER'S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER'S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN.

Each user bears full responsibility for making its own determination as to the suitability of Supplier's

materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier's products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier's standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

*Niax is a trademark of Momentive Performance Materials Inc.1033

Momentive and the Momentive logo are trademarks of Momentive Performance Materials Inc.