

Niax* Silicone L-5345

Description

Niax Silicone L-5345 is an organo-silicone surfactant used in the manufacture of rigid and semi-rigid polyurethane (PUR) and polyisocyanurate (PIR) foams with a large variety of blowing agents. It is also compatible with commercial isocyanates and isocyanate-based prepolymers used by the rigid foam industry.

Key Features and Typical Benefits

- Excellent candidate for slow reactive systems
- Good emulsification of blowing agents
- Good flow and reduced cell elongation, for enhanced foam dimensional stability.
- Improved mixing of polyol and isocyanate even at high isocyanate levels typical of PIR foams
- Flexibility to be added to either the polyol or isocyanate side
- Extended shelf life in one component foam (OCF) systems
- Can be used in combination with L-6164 in OCF system when a high degree of cell opening or reduced expansion are required

Typical Physical Properties

Appearance	Clear, Pale Yellow Liquid
Viscosity at 25 °C, cSt	900
Specific gravity at 25 °C	1.05
Freezing point °C	10

Typical properties are average data and are not to be used as or to develop specifications

Potential Applications

- Boardstock
- OCF (polyether or polyester systems)
- Sandwich Panels (continuous or discontinuous production)

General Consideration for Use

- The typical product usage range is 1-2% of the total formulation.
- In OCF systems, higher levels (up to 4%) may enhance the stability of foams containing large amounts of plasticizer and flame retardants

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/](https://www.momentive.com/CustomerService/)

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

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