

NIAX* Silicone L-5641

Product Description

Niax silicone L-5641 is a reduced VOC, non-hydrolyzable surfactant used in the manufacture of low density mechanically frothed foams. Niax silicone L-5641 is an excellent candidate to consider for use in applications seeking to minimize air/water permeability and vibration/noise, as well as those requiring density reduction beyond that which can be provided by conventional mechanical froth surfactants such as Niax silicone L-5617.

Key Features and Typical Benefits

- Improved performance of mechanically frothed foam including:
 - Reduced froth density (< 18 pcf or 288 kg/m³) without the use of blowing agents
 - Reduced shear-induced cell collapse under doctor blade or air knife
 - Inhibited bubble coalescence in oven cure conditions
 - Fine, microporous cell structure
 - Elimination of surface bubbles
- Improved density reduction compared to Niax silicones L-5614, L-5617, and L-5639
- Greater closed-cell content compared to Niax silicones L-5614 and L-5617
- Lower VOC content compared to L-5640

Typical Physical Properties

Appearance	Clear to Slightly Hazy Liquid
Color (GVS)	<=6
Viscosity (25°C)	< 40,000 cSt
Specific Gravity at 25 °C	0.997

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

General consideration for use

Niax silicone L-5641 is compatible for use in conjunction with a number of co-surfactants and auxiliary blowing agents. The typical product use level is 2 pphp.

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

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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.

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

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