

Indusil™ SQX2 Silicone

Description

Indusil SQX2 silicone is a solution of silicate material in an aromatic solvent for use as a component in polyurethane mold release formulations or as a surfactant to help stabilize PVC plastisol foam.

Key Features and Typical Benefits

- Excellent film former for uniform release properties throughout the mold
- Highly effective with virtually all types of substrates and at low concentrations
- Increased durability of the release effect
- Easy to formulate
- Good heat resistance
- Soluble in a variety of solvents and silicone oils

Typical Physical Properties

Properties	Unit	Value
Appearance	-	Colorless liquid
Active Content	%	28 - 30
Density	g/cm ³	1.086
Solvent		Aromatic hydrocarbon mixture
Flash Point	°C	35

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

Potential Applications

- Component of polyurethane mold release formulations
- Component in release formulations for virtually all types of substrates, especially those that need good film formation such as tires, bladders and metal diecastings
- Component of PVC plastisol foaming formulations

General Considerations for Use

Typical concentrations of Indusil SQX2 silicone in the final formulation range from 2 to 10% depending on the desired effect to be achieved.

Indusil SQX2 silicone is soluble in aliphatic and aromatic solvents and in polydimethylsiloxanes. It is not soluble in water, certain mineral oils or certain organic waxes.

For best results, dilute the product with an appropriate solvent to the desired concentration prior to introduction to the finished release formulation.

The ability of Indusil SQX2 silicone to stabilize plastisol foams is related to its solubility in the plasticizer. Therefore the interaction between Indusil SQX2 silicone and the plasticizer at different concentrations should be investigated to determine the effect on foam density and foam stability.

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.

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