

Indusil™ SQX1 Silicone

Description

Indusil SQX1 silicone is a silicate material for use as a component in polyurethane mold release formulations. Indusil SQX1 silicone is a free-flowing white solid that is largely free of organic solvents.

Key Features and Typical Benefits

- Excellent film former for uniform release properties throughout the mold
- 100% actives allowing formulators wide formulation latitude
- Highly effective with virtually all types of substrates and at low concentrations
- Good heat resistance
- Soluble in a variety of solvents and in a number of silicone oils

Typical Physical Properties

| Properties | Unit | Value |
|----------------|-------------------|--------------|
| Appearance | - | White powder |
| Active Content | % | 100 |
| Density | g/cm ³ | 1.3 |
| Particle Size | microns | 20 - 100 |

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 die castings
- Component of PVC plastisol foaming formulations

General Considerations for Use

Typical concentrations of Indusil SQX1 silicone in the final formulation range from 0.5 to 5% depending on the desired effect to be achieved.

Indusil SQX1 silicone is soluble in aliphatic and aromatic solvents, isopropyl alcohol and polydimethylsiloxanes. It is not soluble in water, certain mineral oils or certain organic waxes.

For best results, dilute the product in an appropriate solvent to the desired concentration prior to introduction to the finished release formulation. Solutions containing up to 40% of Indusil SQX1 silicone in a solvent can be prepared.

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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