

## Indusil™ 140 Silicone

### Product Description

Indusil 140 silicone is an aqueous solution of a silicone polymer modified with organic groups. At temperatures below its cloud point, Indusil 140 silicone is completely soluble in water, can stabilize the latex emulsions. At temperatures above its cloud point, it can help speed up the coagulation of the latex emulsions. Indusil 140 silicone is an excellent candidate for use as a heat sensitive coagulant for natural rubber latex and synthetic rubber latex.

### Key Features and Typical Benefits

- Generally, prolongs the pot life of latex compound after mixing
- Offers narrow coagulation range of temperature to form gel
- Can help improve the formation of films from latexes and speed the drying process by improving wetting
- Can help form films without defects (pinholes, fisheyes)
- Offers release properties
- Because of its highly hydrophilic nature, it typically dissipates static electricity
- Frequently effective at low concentration
- More difficult to be detected by IR in the final item

### Typical Physical Properties

Appearance	Light yellow
Viscosity (25°C), mm <sup>2</sup> /S {cSt}	100 {100}
Specific Gravity (25°C)	1.04
Non-volatile contents, %	33
Clouding point, °C	38
Diluent	Water

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

### Potential Applications

- Aid for the coagulation process of various latexes, e.g., natural rubber latex, PU dispersions, NBR latex, SBR latex and others
- Aid to stabilize latexes
- Aid to control foam, minimize defects and increase production speed in gloves manufacture
- Aid to improve the speed of production in the coagulation process of carpet backing
- Heat sensitive coagulant for textile, paper use latex

### General Considerations for Use

Indusil 140 silicone can be used as is or after dilution with water. Typical dosage levels are 0.1 - 1.0 phr. The required dosage may vary over a wide range depending on the nature of the latex, the severity of service or working condition and the desired effect needed. Actual dosage levels need to be determined by the end-user in suitable lab tests. Indusil 140 silicone should be added to the latex and not to the coagulant bath.

### 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](http://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.

## Customer Service Centers

For additional information, please contact our Customer Service Team

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