

Magnasoft™ 588TX Textile Softener

Product Description

Magnasoft 588TX textile softener, a specialty silicone emulsion concentrate, is an excellent candidate to consider for high- to mid/low-end fabric finishing. It offers multiple benefits such as quick water absorbency, moisture management, fabric whiteness, non-discoloration and - most importantly - shear stability at broad pH and temperature conditions in a finishing bath without compromising softness. These benefits are chiefly attributed to the silicone copolymer that promotes quick and uniform adsorption to fibers, in addition to reorganization of the silicone molecules on cellulosic fabric.

Using Magnasoft 588TX textile softener can result in a luxuriously voluminous touch with a comfortably soft feel on cotton and cotton blends while maintaining the hydrophilic nature of cellulosic fabrics. It can provide a cotton-like feel with hydrophilicity when applied to synthetic fabrics such as polyester and polyester blends. Its hydrophilic performance is virtually unaffected by the aging time of treated fabrics and at various dry/cure conditions typically used for textile finishing.

Magnasoft 588TX textile softener is easily water dispersible; hence, it is ready to use in a textile finishing bath. It possesses good compatibility with most typical textile finishing chemicals including organic softeners, durable press resins, anti-static agents and selected optical brightening agents.

Key Features and Typical Benefits

- Luxuriously voluminous touch with ultra-soft feel, particularly for cotton knits
- Quick water/perspiration absorbency on fabrics; limited impact of fabric aging time and high temperature curing conditions on hydrophilicity
- Water dispersible, ready to use
- Maintains fabric whiteness (non-discoloring)
- Superior stability at broad pH and temperature ranges (e.g., up to boiling at pH 4~10 range) in typical textile finishing
- Excellent shear stability in both padding and exhaustion processes, including jet finishing and over-flow finishing
- Low pour point (< -20 °C)

Typical Physical Properties

Appearance	Yellowish transparent to translucent liquid
Viscosity at 25 °C 3/12, cps	2000
Specific gravity, 25 °C, gr/cm ³	1.0
Solid Content, %	64
pH, 25 °C	5.5
Ionic Characteristics	Slightly cationic
Suitable Diluent	Water

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

Potential Applications

Magnasoft 588TX textile softener may be considered for use with all types of fabrics in the textile finishing process, but can be most beneficial for cellulose fabrics such as:

- Cotton and cotton-blended knits & woven
- Viscose fabric and its blends
- Linen fabric and its blends
- Quick-drying cotton knits
- Polyester and polyamide woven requiring cotton-like feel

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General Considerations for Use

Magnasoft 588TX textile softener is a ready-to-use emulsion concentrate; hence, it can be readily diluted with water and directly applicable to the textile finishing bath with no emulsification.

It can be applied by both padding and exhaustion, including jet-finishing and over-flow finishing. The optimum use level is subject to the type of fabric and softness required, but 10~20 g/L of Magnasoft 588TX textile softener is typically recommended.

It is best to use soft water if pre-dilution is required. If soft water is unavailable, it is prudent to test the complete bath for stability before applying it in the production of textile finishing.

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.

Customer Service Centers

For additional information, please contact our Customer Service Team

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