

Magnasoft™ 22 Textile Softener

Product Description

Magnasoft 22 textile softener is based on a new technology and designed to provide cost-effective in-depth softness and slickness. The cost-performance of Magnasoft 22 textile softener is differentiated from existing proprietary [AB]_n silicone copolymers in the portfolio of Momentive Performance Materials Inc.

Magnasoft 22 textile softener is superior to typical amino functional silicone when considering thermal migration, color fastness and fabric whiteness at a typical bath condition for textile finishing.

This water-dispersible product can be effective at low dosage levels (e.g. three to four times lower dosing than typical amino functional silicone softeners, particularly on polyester and polyester blends).

Magnasoft 22 textile softener can be used for a variety of fabrics but is most beneficial for synthetic-fiber fabrics including polyester, polyamide, acrylic fabrics, and spandex blends, as well as wool, cashmere, and its blends.

Magnasoft 22 textile softener is applicable in both padding and exhaustion finishing processes.

Key Features and Typical Benefits

- Luxuriously silky, drapeable and in-depth softness for all type of fabrics
- Good affinity with hydrophobic fabrics such as synthetic-fiber fabrics, wool and cashmere
- Does not influence color fastness of dyed fabrics
- Very low yellowing of white and light shaded fabrics
- Typically, does not affect the color shade, even on dark colored fabrics
- May be compatible with durable press resist resins, their catalysts and optionally optical brightening agents
- Self-dispersible in water; ready-to-use in textile finishing processes
- Optimum viscosity; easy to handle
- May be applicable for all types of typical equipment for textile finishing

Typical Physical Properties

Appearance	Pale yellow liquid
Viscosity at 25 °C, cSt	2,800
Specific Gravity 25/25 °C, gr/cm ³	1.06
Amine Content, %	0.15
Preferred Diluent	Water

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

Potential Applications

Magnasoft 22 textile softener is intended to be used in textile finishing for all types of fabrics, particularly for hydrophobic types of fabric such as polyester woven/knits, polyester blended fabrics, polyester fleece, spandex blended fabrics, nylon woven/knits, wool, wool blended fabrics, and cashmere.

Magnasoft 22 textile softener can be used at a typical dosage level of 3~5 g/liter in the finishing bath. Higher dosage levels are not recommended, and in certain cases may be detrimental to the performance of this product.

Magnasoft 22 textile softener possesses the most optimal shear-stability at pH 5. Therefore, it is recommended to keep adjusting bath pH to 5~5.5 by using commonly available acetic acid when Magnasoft 22 textile softener is treated in finishing bath.

It is best to use soft water for its dilutions. If not available, it is prudent to test the complete bath stability before applying it in production.

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

AMERICAS	+1 800 295 2392 Toll Free* +704 805 6946 Direct Number
LATIN AMERICA	BRAZIL +55 11 4534 9650 Direct Number MEXICO +52 55 2169 7670 Direct Number *All American countries
EMEI - EUROPE, MIDDLE EAST, AFRICA & INDIA	EUROPE +390510924300 Direct Number INDIA, MIDDLE EAST & AFRICA +91 44 71212207 Direct Number* *All Middle Eastern countries, Africa, India, Pakistan, Bangladesh, Sri Lanka
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260 Hudson River Road
Waterford, NY 12188 USA
momentive.com