

Magnasoft™ 707 Textile Softener

Product Description

Magnasoft 707 textile softener is a silicone emulsion formulated by an advanced emulsification technology. It typically provides superior slickness and excellent stretch recovery, as compared to conventional amino silicone softeners.

Key Features and Typical Benefits

- Provides pliable touch as well as slippery softness
- Imparts bouncy softness and an outstanding stretch-recovery
- Gives excellent color-deepening shade effects, particularly to dark-colored fabrics dyed with disperse, indigo and reactive dyes of black and navy blue
- Contains low levels of emulsifier and thus does not reduce dry and wet rubbing fastness and minimizes dye-stuff and/or pigment migration on fabrics after finishing
- Moderate water repellence on all types of fabric
- Significantly improves fabric tear and tensile strength
- Typically economical; extremely low dosage level

Typical Physical Properties

Appearance	Milky white liquid
Solid Content (%)	41
Viscosity, 25 °C, 1/60 rpm, cps	< 25
Specific Gravity, 25 °C (77 °F)	1.0
pH (25°C)	7.5
Ionic Character	Non-ionic
Suitable Dilutant	Water

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

Potential Applications

The diluted Magnasoft 707 textile softener can be applied by most padding or exhaustion finishing processes, as well as garment washing processes, and may be considered for use with the following types of fabric:

- Cotton and cotton blends woven and knit requiring excellent stretch-recovery
- Cotton denim and corduroy
- Viscose rayon and acetate fabrics
- Cotton/Spandex and Nylon/Spandex blended fabrics
- Polyester artificial fur fabric used in soft toys, etc.
- Heavy weight polyester woven
- Color deepening agent for polyester jet black woven (bluish black shade)

General Considerations for Use

Magnasoft 707 textile softener is provided in a ready-to-use high solids content form that can be applied as received. Because of the high solids content, it is advisable to dilute 30 parts of Magnasoft 707 textile softener with 70 parts water prior to application in the textile finish bath.

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The optimum dosage depends on the required softness, type of fabric and finishing conditions. The following application conditions are common initial rates:

1. Pad-dry-cure Continuous Process

Dosage	: 10 ~ 30 g/L
pH	: No need to adjust
Temperature	: Ambient
Pick-up	: 65 ~ 100 %
Drying	: 100 ~ 130 °C x 1 - 3 min.

2. Exhaustion Process

Dosage	: 1.0 ~ 3.0 % of the weight of the fabric
Liquor Ratio	: 1/8 ~ 1/20
pH	: No need to adjust
Temperature	: Ambient
Time	: 20 ~ 30 minutes
Drying	: 100 ~ 120 °C

3. Garment Washing Process

Dosage	: 1.0 ~ 3.0 % of the weight of the garment
Conditions	: Same as exhaustion process

Precautions

1. Dilute with cold or warm water

Magnasoft 707 textile softener is generally stable in hard water. However, should the water supply be of 200 ppm hardness or higher, softened water or boiler condensate is recommended as a diluent.

2. Compatibility

Magnasoft 707 textile softener may not be compatible with certain materials, such as anionics, lower alcohols, salts, etc., which may break the silicone emulsion. Any mixture of reactive emulsions with other materials should be thoroughly checked before it is put into factory 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

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