

# Magnasoft\* 238-LT textile enhancer

## Product Description

Magnasoft 238-LT textile enhancer is a copolymer based on our (AB)<sub>n</sub> technology with each residual cyclic siloxane (D4, D5 and D6) content less than 1000ppm, allowing compliance with the latest EU REACH SVHC requirement.

Magnasoft 238-LT textile enhancer offers outstanding softness and slickness to fabrics and garments, with minimal contribution to yellowing, shear stability loss, and thermal migration. It is water dispersible and can be effective at very low dosage levels compared to traditional amino-silicone fluids.

Magnasoft 238-LT textile enhancer is compatible with a variety of fabrics, offering particular effectiveness with synthetic/cotton blends, polyester fleece and wool.

## Key Features and Typical Benefits

- Effectiveness at 3-5g/l in the bath, as received, offering a high level of natural softness to synthetics and their blends with nature fibers
- Delivery of properties similar to those of reactive elastomeric finishes, such as durability and resistance
- Low yellowing
- Good lubricity and hand-feel to polyester fleece
- Good stability under typical finishing conditions, including jet/overflow
- Co-applicability with crease (durable press) resist resin, their catalysts and optionally OBA's
- Self-dispersibility without the need for emulsifiers, enabling potential cost savings for formulators and mills
- Direct blending into the textile finishing bath with minimal agitation
- Ease of handling
- D4, D5 and D6 content less than 1000ppm by each

## Typical Physical Properties

Property	Unit	Result
Appearance	-	Pale yellow
Viscosity at 25 °C	cSt	5000
Specific Gravity at 25 °C	-	1.046
Amine Content	%	0.12
Preferred Diluent	-	Water

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

### Potential Applications

Magnasoft 238-LT textile enhancer is an excellent candidate to consider for use in textile finishing of all synthetics, synthetic/cotton blends, polyester fleece and wool, as well as cotton fabrics.

### General Considerations for Use

Typical product usage level ranges between 3-5g/l in the bath; higher dosage levels are not recommended and, in certain cases, may be detrimental to product performance.

While Magnasoft 238-LT textile enhancer offers outstanding dilution stability, it is best to use soft water for its dilutions. If soft water is not available, the complete bath should be tested for stability before applying it in production.

Typical processing parameters are provided as follows:

#### 1. Pad-Dry-Cure Process

Dosage	3-5g/l
Temperature	20-40 °C
Pick-up	65-100%
Drying	100-130 °C for 1-2 minutes
Curing	150-180 °C for 1-3 minutes

#### 2. Exhaustion Process

Dosage	0.3-0.5 % (o.w.f)
L:R (Liquor ratio)	1:8-1:20
pH	4-5 (adjusted with acetic acid)
Temperature	30-50 °C
Time	20-30 minutes
Drying	100-130°C for 1-2 minutes

#### 3. Garment Washing Process

Dosage	0.3-0.5% (o.w.f)
Conditions	Same as exhaustion process

### **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.

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