



MapleSolutions

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TECHNICAL BULLETIN

MA-SOFT DEN

STATEMENT OF USE

MA-SOFT DEN is a blended cationic softener that provides a soft hand, good napping, excellent sewing properties, and needle cutting protection on cotton and polyester/cotton fabrics. **MA-SOFT DEN** is especially suited for Denim fabrics or composed of open-end spun yarns.

TYPICAL PROPERTIES

Appearance:	Opaque, white liquid
pH (neat):	4.3 ± 0.5
Solids (%):	20 ± 1.0
Ionic Nature:	Cationic
Density (lbs/gal.):	approx. 8.34

ADVANTAGES

- * Soft, cationic hand
- * Low Yellowing
- * Excellent wetting properties to improve sanforizing
- * Provides maximum protection for needle cutting
- * Provides tear strength improvement and abrasion resistance
- * Compatible with most other finishing bath auxiliaries
- * Application may be made by pad or exhaust

APPLICATION

MA-SOFT DEN can be applied to cottons, polyesters, acrylics, nylons and blends.

Pad: **MA-SOFT DEN** is recommended at levels of 2.0% - 8.0% on the weight of the bath for padding on dry fabric or 10%-18% on the weight of the bath for wet-on-wet application.

Exhaust: **MA-SOFT DEN** is recommended at levels of 2.0% - 4.0% on the weight of the fabric. For maximum efficiency of exhaust, addition of acetic acid to adjust pH to 4.5 - 5.5 is recommended.

STORAGE AND HANDLING

Normal precautions taken with all chemical auxiliaries should be used. Do not expose product to direct contact with heat greater than 100 °F.

DO NOT LET THE PRODUCT FREEZE!

For more information concerning **MA-SOFT DEN**, please refer to the Material Safety Data Sheet.