



TECHNICAL DATA SHEET

SOFTEN P-342

Description

SOFTEN P-342 is low viscosity nonionic micro emulsion. It is designed to impart a unique softness to a large variety of fabrics.

Key features & benefits

- Water soluble
- Bulky softness
- No yellowing
- Best on natural fibres
- Shear stable formulations
- pH stable
- Ease of ironing

Properties

Appearance: Clear liquid – slightly opalescent

Density (25 °C): 1,0 ± 0,1 g/mL

pH: 5,0 – 6,0

Solubility: Soluble in water at any ratio

Application

SOFTEN P-342 imparts excellent softness to a wide range of fabrics including cotton, polyester/cotton and fully synthetics. In addition to imparting a soft silky hand to a broad range of woven and nonwoven fabrics, SOFTEN P-342 will substantially increase the dimensional stability of fabrics.

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The information and recommendations presented here were compiled with the utmost care, but cannot be extended to cover every possible case. They are intended to serve as non-binding guidelines and must be adapted to the prevailing conditions

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How to use

- Padding

The goods should have been scoured with a non-ionic detergent. Rinse using 2 g/l of 80% acetic acid for 5 minutes to neutralise all alkali residues which may cause bath destabilization.

Pre-dilute SOFTEN P-342 with an approximately equal amount of cold water (add water to the microemulsion) and add to the mixing tank.

Under normal conditions, we recommend 10 – 40 g/L. Acidify the bath to a pH of 4-6 with 80% acetic acid. SOFTEN P-342 does not need curing and therefore only a drying operation is necessary. Temperatures can vary between 100-170°C based on the line speed and on the type of fabric treated.

For trouble free operations ensure that:

- Bath temperature remains at or below 30°C
- No hot water or live steam is used directly on the silicone emulsion
- No high speed agitation of the silicone emulsion nor of the finishing bath containing the silicone emulsion is carried out
- Bath pH is kept in the 4-6 range

- Exhaustion

The goods should have been scoured with a non-ionic detergent. Rinse using 2g/l of 80% acetic acid for 5 minutes to neutralise all alkali residues which may cause bath destabilisation.

1. Predilute SOFTEN P-342 with an approximately equal amount of cold water (add water to the emulsion).
2. For the exhaust method 1 - 4 %, relative to the weight of goods are adequate and the treatment should be carried out at 40 - 50 °C for 15 - 20 minutes. Adjust rinse water pH to 5.0-5.5 with 80% acetic acid.
3. Electrolytes, such as NaCl, may be added at the beginning of the operation (0.5% by weight on the weight of the bath) to further speed up to the exhaustion rate.
7. Remove fabric, squeeze and dry.

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Storage

To ensure a long product life, the product should be kept at room temperature, avoiding direct sunlight. Keep containers sealed when not in use to avoid absorption of water from the atmosphere.

Storage beyond the self-expiry life date does not necessary mean that the product is no longer usable. However, the properties required for the intended use must be checked for quality assurance reasons.

Packaging and product safety

- 120 Kg drums
- 200 Kg drums
- 950 Kg containers

When using this product, the information/ recommendations in the Safety Data Sheet should be consulted. You should also take into account the precautions necessary for the handling of chemicals.

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