

Technical Datasheet

Textile Chemicals

EBCA MAC 017

Edition 3-2021

EBCA MAC 017 IS AN AMINO-FUNCTIONAL SILICONE ELASTOMERIC CATIONIC MACRO EMULSION RECOMMENDED FOR THE PERMANENT FINISHING OF SYNTHETIC AND NATURAL FIBRES AND THEIR BLENDS.

Typical SPECIFICATIONS

Appearance	Milky white emulsion
Composition	Macro emulsion of amino functional silicone oil
Ionic nature	Cationic ☒
pH	4-5
Solubility	Miscible with cold water in all proportions
Active matter content	20% ± 1
Compatibility	Compatible with nonionic and cationic auxiliaries

APPLICATIONS

a) Precautions:

- 1- Start with clean mixing tank, delivery lines, pad box and rollers
- 2- Dilute the emulsion with cold water only.
- 3- Do not use a high shear stirrer when making finishing liquor
- 4- The pH must always be below 7 (preferably 5-6) in the pad bath to obtain max softness and help bath stability.
- 5- Be sure that the goods before finishing are rinsed thoroughly and adjust the alkaline fabrics to a weakly acid pH

(b) Application rate:

EBCASOFT MAC017 is mainly applied by exhaust method although it is also suitable for padding processes.

It imparts specific surface smoothness for fabrics and garments which are fast to washing.

1 – Exhaustion 1 – 2 % (on weight of goods)

To achieve maximum exhaustion the bath pH is adjusted to pH 5-5.5 at 40 – 50°C for 15-20 minutes.

2 – Padding 5 – 20 g/l

SPECIFIC PROPERTIES

EBCA MAC 017 provides a very pleasant surface smoothness
EBCA MAC 017 gives a very soft voluminous handle to the goods
EBCA MAC 017 improves crease recovery, tear and abrasion resistance
EBCA MAC 017 improves wash and wear properties
EBCA MAC 017 improves sewability of knitted goods
EBCA MAC 017 is suitable for white and dyed goods
EBCA MAC 017 improves stretch and shape recovery of knitted goods
EBCA MAC 017 has good bath stability even at high shearing forces
EBCA MAC 017 has excellent durability to washing and dry cleaning
EBCA MAC 017 has a good fastness to wash
EBCA MAC 017 HAS NO IMPACT ON ENVIRONMENT.

PACKAGING

125, 140, 150 Kgs plastic drums or, 1000 Tank.

STORAGE

can be kept in the original sealed containers at temperatures between 5°C and 35°C for at least 10 months. Once containers have been opened, the contents should be used up quickly. Containers should be closed tightly after each use.

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