
LUSTRAFFIN UP

Characterization

Special product for yarn lubrication

Chemical Structure

Paraffin emulsion containing synthetic material

Supplied Form

White liquid

Ionic character

Weakly cationic

pH Value

3.8 – 5.2

Specific weight at 20 °C

Approx. 0.99

Stabilities

LUSTRAFFIN UP is stable to the chemicals used in the treatment bath. This refers to acid amounts which lead to a pH-value of the lubricating bath of 4.0 - 6.5. Electrolytes may impair the stability of the bath. LUSTRAFFIN UP is sensitive to slightly alkaline water and all forms of alkali.

The product is sensitive to frost; temperatures below the freezing point may cause irreversible changes.

Storage

If stored in closed original containers, LUSTRAFFIN UP will hold for at least 12 months.

Properties

LUSTRAFFIN UP confers to the knitting yarns the gliding properties required for further processing. The product is applied in a fresh bath after bleaching or dyeing of the yarns. LUSTRAFFIN UP exhausts evenly and mostly completely on the substrate and the coefficient of friction of the yarns obtained is excellent.

This lubrication method has the following advantages:

- there is no need for a rewinding process like in the case of a solid paraffin treatment, if so-called direct bobbins are used. This makes it possible to deliver the bobbins directly to the hosiery or knits manufacturers.
- in case of a rewinding process, it can be carried out at high speed and there is definitely less yarn breakage.

LUSTRAFFIN UP confers to synthetic yarns a certain antistatic effect.

LUSTRAFFIN UP has a negligible volatility at higher temperatures and will not cause any problems during drying under normal conditions.

Application Technique

Diluting instructions

LUSTRAFFIN UP can be diluted with cold or warm water.

Application Fields

LUSTRAFFIN UP is especially suited to lubricate cotton and PAN yarns, but it can also be successfully applied on other fibres.

Application proposal

1.0 - 3.0 % LUSTRAFFIN UP

pH 5.0 - 6.0 with acetic acid

begin at 30 °C, heat up to 60 °C within 20 min
treat at 60 °C for 10 min, drain the liquor.

A good alternate liquor circulation favours an even coating (e.g. 4 min outside-inside, 2 min inside-outside).

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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