

KAPPFIL RS 93

Cold sizing compound

Chemical composition	synthetic polymers
Appearance	slightly turbid, viscous liquid
pH-value 20 °C	6 – 8 (product)
Density 20 °C (g/ml)	approx. 1.05
Ionic charge	nonionic

Function

KAPPFIL RS 93 is a cold sizing compound for application on the warp lubricator.

KAPPFIL RS 93 has the following properties:

- allows the sizing of warp yarns on the war waxing device at room temperature without the necessity of an additional process step.
- is particularly suitable for the loop-forming warp yarns in terry cloth.
- causes only minimal adhesion of adjacent warp yarns.
- is water-soluble and readily removed from yarn by washing.
- provides improved antistatic properties.

Application

The application of KAPPFIL RS 93 may replace sizing of many warp yarns. Thus the processing becomes more efficient and less costly. KAPPFIL RS 93 is particularly suitable for the preparation of the loop-forming warp yarns for terry cloth. A soft, non-dusting yarn with good weaving properties is obtained.

Application when dewinding and rewinding

The lubricator is installed between warping gate and warping drum. The warp actions are led over the applicator roll. The application amount depends on warp speed and applicator speed. The speed of the applicator roll is continuously adjustable. It is important in both procedures to rotate the applicator roll in the same direction the warp travels over this roll.

Recommended application levels:

Due to the different application possibilities for natural and synthetic fibres, the following data should only be used as guidelines.

• Terry cloth	3 – 5 %
• Wool (carded)	2 – 6 %
• Wool (worsted)	2 – 4 %
• Synthetics/wool	1 – 3 %
• Synthetics/rayon	2 – 4 %
• Synthetics/cotton	2 – 4 %
• Synthetics/staple	1 – 3 %
• Linen and blends	2 – 4 %
• Jute	3 – 6 %
• Mohair/wool	1 – 3 %
• PVC-yarn	2 – 5 %

Contact

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When using the products, the precautionary measures applicable to the handling of chemicals must be observed. For storage and hazard information as well as safety advice, please refer to the relevant safety data sheets. Application solutions and product residues must be disposed of in accordance with official regulations. The listed instructions correspond to our previous experience. However, in view of the different operating conditions, only non-binding information and advice can be given. Therefore, we cannot accept any liability whatsoever, including liability for claims by third parties. Errors, changes and misprints excepted. Non-binding product information, print date Feb 14, 2022, not subject to systematic change.

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When processing poorly wetting yarn, the addition of a deaerating agent may be reasonable in order to achieve a better penetration.

Washout

KAPPAFIL RS 93 is water-soluble. To remove the product without residues, a temperature of about 60 °C during washing must be achieved.

Dilution instruction

KAPPAFIL RS 93 is used in undiluted form.

Storage

KAPPAFIL RS 93 remains stable for at least 6 months if stored properly in a tightly closed original container.