KAPPAWET SAG
Hydrophilising agent for polyester

CHEMICAL-PHYSICAL DATA
Chemical composition: aqueous preparation of hydrophilic copolymers
Appearance: white emulsion
pH-value 20 °C (10 g/l): 4.0 – 6.0
Density 20 °C (g/ml): approx. 1.04
Ionic charge: nonionic
Viscosity (m Pas): approx. 200

FUNCTION
KAPPAWET SAG is an excellent hydrophilising agent, which increases the humidity absorption and therefore minimises the electrostatic charge of polyester and its blends. Thus the wearing comfort of textiles is considerably improved.

Beside the permanent hydrophilic effect, KAPPAWET SAG also has an oleophobic effect. A re-accumulation of oily and fatty soiling is more difficult whereas the cleaning becomes easier (= soil release properties).

KAPPAWET SAG can also be used as softener, as the handle of polyester fibres gets considerably softer.

Furthermore the product has a slipping and anti-creasing effect during the discontinuous dyeing.

KAPPAWET SAG can be added directly to the dyeing liquor during the high temperature dyeing process, thus saving time and money.

KAPPAWET SAG can also be used for the finishing of polyester fill fibre nonwovens, to improve their elasticity.

APPLICATION

High temperature dyeing process:
Preparation of bath at 40 °C

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<th>2.0 – 4.0 %</th>
<th>KAPPAWET SAG</th>
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<tbody>
<tr>
<td></td>
<td>Acetic acid (pH 4.5 – 5.5)</td>
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<tr>
<td>0.5 %</td>
<td>KAPPAVON LD 360 (= dispersing agent)</td>
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- heat up to 65 – 70 °C.
- add dyestuff, dwell for 10 minutes at 70 °C.
- increase temperature to 130 °C and dye for 15 – 45 minutes.
- cool down, rinse and post-treat.

Application in rinse bath or after reductive postcleaning:
Preparation of bath at 40 °C

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- heat up to 80 °C.
- treat for 20 minutes at 80 °C
- rinse cold.
- dry and, if necessary, thermo fix at 180 – 190 °C (30 seconds).

Application during bleaching:
KAPPAWET SAG is not affected by bleaching agents and can therefore be applied directly in the bleaching process.

Continuous application
A continuous application of KAPPAWET SAG is also possible on suitable fabrics. The pad dry cure process or wet-on-wet process can be applied.
Recommended application level:

| 2.0 – 4.0 % | KAPPAWET SAG |

Regarding the application of the additionally mentioned products, please note the corresponding technical data sheets.

DILUTION INSTRUCTION

KAPPAWET SAG can be mixed with water at any ratio.

STORAGE

KAPPAWET SAG remains stable for at least 1 year if stored properly and cool in a tightly closed container.