Technical Data Sheet

KAPPAFIX FA 362
Product for stiffening of textiles

CHEMICAL-PHYSICAL DATA
Chemical composition: modified melamine formaldehyde condensation product
Appearance: clear, weakly viscous liquid
pH-value 20 °C (product): 7.5 – 9.5
Density 20° C (g/ml): 1.2 – 1.3
Ionic charge: nonionic

FUNCTION
KAPPAFIX FA 362 is applied for stiffening and handle modification of textiles made of natural and synthetic fibres and their blends. Furthermore the product is used for stiffening of fibre glass nonwovens.
KAPPAFIX FA 362 is chemically modified and offers an advantage over the conventional melamine-formaldehyde resins: It contains a formaldehyde catcher which during the condensation reaction of the melamine resin binds the excess of formaldehyde gas and prevents the release of the gas in the environment.
KAPPAFIX FA 362
- is odourless in processing.
- improves dimensional stability of elastic goods.
- can be applied in resin finishing liquors.
- produces a firmer handle and improves effects when used in conjunction with polymers.
- is compatible with common products used in textile finishing, e. g. repellents or flame retardants.
- is extremely low of formaldehyde.
- can be catalyzed by an pH acid or pH neutral catalyst.

APPLICATION
Stiffening of technical fabric made of synthetic fibres in the padding process
with the pH acid catalyst KAPPALINK CAT 94

| 1 g/l | acetic acid 60 % |
| 20 – 100 g/l | KAPPAFIX FA 362 |
| 2 – 10 g/l | KAPPALINK CAT 94 |

with the pH neutral catalyst KAPPALINK KME

| 20 – 100 g/l | KAPPAFIX FA 362 |
| 1 – 10 g/l | KAPPALINK KME |

Drying/condensation in one pass: 180 – 30 seconds at 140 – 180 °C

Handle modification for ribbons made of synthetic fibres in the padding process
with the pH acid catalyst KAPPALINK CAT 94

| 1 g/l | acetic acid 60 % |
| 20 – 200 g/l | KAPPAFIX FA 362 |
| 2 – 10 g/l | KAPPALINK CAT 94 |

with the pH neutral catalyst KAPPALINK KME

| 20 – 100 g/l | KAPPAFIX FA 362 |
| 1 – 10 g/l | KAPPALINK KME |

Contact drying: 140 – 160 °C
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Regarding the application of the additionally mentioned products, please note the corresponding technical data sheets.

DILUTION INSTRUCTION
KAPPAFIX FA 362 can be easily diluted with cold, neutral water. Further additives should only be added after dilution.

STORAGE
KAPPAFIX FA 362 remains stable for at least 3 months if stored properly in a tightly closed container.
Do not expose to frost!