KAPP-CHEMIE
TISSUE TEXTIL
SERVICES

KAPPAPHOB NI 6

Fluorocarbon polymer emulsion

Chemical composition	fluorocarbon polymer in aqueous emulsion
Appearance	beige emulsion
pH-value 20 °C	2 - 5 (product)
Density 20 °C (g/ml)	approx. 1.12
Solid content (%)	approx. 30
Ionic charge	nonionic

Contact

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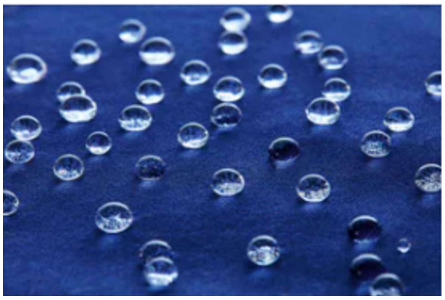

Function

KAPPAPHOB NI 6 is a nonionic product which is compatible with anionic auxiliaries (e. g. polymer emulsions) and cationic additives (silicones require preliminary trials) and thus especially used for the finishing of technical textiles. The product is suitable for all natural and synthetic types of fibres and their blends.

KAPPAPHOB NI 6 is a fluorocarbon polymer which does not contain any verifiable perfluoro octane acids, perflouro octane sulfonic acids or other parts of a perflourinate chain length over 6 C-atoms.

KAPPAPHOB NI 6

- has an excellent water and oil repellent effect.
- has a high stain and fibre protection.
- shows no negative influence on breathability.
- shows no yellowing tendency on linen goods.
- gives a very good emulsion stability of prepared liquors.

Application

The fabric to be finished must be free of detrimental substances (e. g. residual alkali, sizing agents, prepara-tions, rewetting surfactants, etc.)

Recommended application level depending on requirement, liquor ratio and fabric:

Padding process

- 20 – 60 g/l KAPPAPHOB NI 6

- pH-value of the padding liquor: 3.0 – 5.0, adjust with acetic acid 60 %
- Drying/fixing of polypropylene: 100 – 120 °C, 30 – 180 sec.
- Drying/fixing of natural and synthetic fibres: 150 – 170 °C, 60 – 120 sec

KAPPAPHOB NI 6 can also be applied by spraying, e. g. WEKO system, due to its good emulsion stability. For the application in spraying processes suitable exhaust devices and corresponding spray devices are necessary and the security advices must be observed.

Dilution instruction

KAPPAPHOB NI 6 can be mixed with water at any ratio.

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Storage

KAPPAPHOB NI 6 remains stable for at least 6 months if stored properly and cool in a tightly closed original container.
Do not expose to frost!

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