

KAPPAPHOB NIC 6

Fluorocarbon polymer emulsion with crosslinker

Chemical composition	fluorocarbon polymer in aqueous emulsion with crosslinker
Appearance	white - beige emulsion
pH-value 20 °C	3.0 - 5.0 (product)
Density 20 °C (g/mL)	approx. 1.05
Solid content (%)	approx. 20
Ionic charge	non-ionic

Function

KAPPAPHOB NIC 6 is a fluorocarbon polymer which does not contain any verifiable perfluoro octane acids, perfluoro octane sulfonic acids or other parts of a perflourinate chain length over 6 C-atoms. Due to the combination of fluorocarbon polymer with a cross-linking agent, KAPPAPHOB NIC 6 has a very good resistance to washing and dry cleaning. KAPPAPHOB NIC 6

- has an excellent oil and water repellent effect.
- has a high stain and fibre protection.
- shows no negative influence on breathability.
- 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, preparations, rewetting surfactants, etc.).

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

Padding process

- 20 – 60 g/l KAPPAPHOB NIC 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

White fabrics may yellow at temperatures above 150 °C. Preliminary tests are recommended.

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

Storage

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

Contact

KAPP-CHEMIE Textil
 info@kapp-chemie.com
 +49 / 6772 / 9311-0

