

KAPPAPHOB DC 6

Fluorocarbon polymer emulsion with a crosslinking agent

Chemical composition	aqueous fluorocarbon polymer emulsion with a crosslinking agent
Appearance	white to beige emulsion
pH-value 20 °C	approx. 4 (product)
Density 20 °C (g/mL)	approx. 1.06
Solid content (%)	approx. 18
Ionic charge	cationic

Function

KAPPAPHOB DC 6 gives natural and synthetic fibres (e. g. cotton, wool, polyamide or polyester) and their blends excellent water and oil repellent effects. Due to the combination of fluorocarbon polymer and a crosslinking agent, KAPPAPHOB DC 6 has an excellent washing and dry cleaning resistance.

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

Application

KAPPAPHOB DC 6 can be applied by dip coating, coating, foaming or other methods depending on the fabric conditions. For the application in spraying processes suitable exhaust devices and corresponding spray devices are necessary and the security advices must be observed.

The fabric to be finished must be free of detrimental substances (e. g. residual alkali, sizing agents, preparations, rewetting surfactants, etc.). The fabric must also be slightly acidic (pH 4 - 5)

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

Padding process (e. g. foulard)

- 1 g/l Acetic acid 60 %
- 30 – 50 g/l KAPPAPHOB DC 6
- Drying: 120 °C
- Fixing: 150 -170 °C, 60 - 120 seconds

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

Dilution instruction

KAPPAPHOB DC 6 can be diluted with water at any ratio.

Storage

KAPPAPHOB DC 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

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