

KAPPAPHOB PM

Fluorine-free water repellent

Chemical composition	polymers in aqueous emulsion
Appearance	white to beige dispersion
pH-value 20 °C	approx. 5.5 (product)
Density 20 °C (g/ml)	approx. 1.0
Solid content	approx. 25
Ionic charge	weakly cationic

Function

KAPPAPHOB PM is a fluorine-free water repellent which is suitable for the finishing of nonwovens, camping products, overcoats and backpack fabrics, awnings, boat and tilt trailers.

By using 80 – 100 g/l KAPPAPHOB PM, spray values of 90 – 100 (AATCC 22), after one washing cycle spray values of 80 – 90, could be achieved on polyester and cotton/spandex (98/2). The product has no oil repellent effect.

In addition to the hydrophobic effect, the handle and air permeability of the product are maintained. Shades and wet fastness properties remain unchanged (in case of disperse dyeings preliminary tests are recommended). The handle is neutral after the finishing.

KAPPAPHOB PM is suitable for high-grade finishing.

Application

KAPPAPHOB PM is mainly used by padding.

Recommended application level:

- 80 – 100 g/l KAPPAPHOB PM
- 1 g/l acetic acid 60 %
- A pH value of 4 – 5 is recommended.
- Drying: at normal conditions at 110 – 130 °C after usual treatment
- Fixation: 3 minutes at 140 °C or 1 min at 150 – 175 °C (stenter frame)

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

The product must be free of detrimental substances which could reduce the performance (e. g. residual alkali, sizing agents, preparations, re-wetting surfactants, etc.).

Dilution instruction

KAPPAPHOB PM can be mixed with water at any ratio.

Storage

KAPPAPHOB PM is stable for at least 1 year if stored properly and at temperatures of 4 – 35 °C in a tightly closed original container. Longer storage can lead to phase separation, but without effect on the quality of the product. Mix well before use!

Do not expose to frost!

When using the products, the precautionary measures applicable to the handling of chemicals must be observed. For storage and hazard information as well as safety advice, please refer to the relevant safety data sheets. Application solutions and product residues must be disposed of in accordance with official regulations. The listed instructions correspond to our previous experience. However, in view of the different operating conditions, only non-binding information and advice can be given. Therefore, we cannot accept any liability whatsoever, including liability for claims by third parties. Errors, changes and misprints excepted. Non-binding product information, print date Feb 14, 2022, not subject to systematic change.

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