

## Technical - Information

# AVCO-WICK DMM

*FINISHING AGENT USED FOR IMPARTING SOFTENING AND HYDROPHILIC PROPERTIES*

AVCO-WICK DMM is an hydrophilic polymer which is used for imparting permanent hydrophilic properties to synthetic fabrics. The finish is resistant to mild washing.

AVCO-WICK DMM is recommended for the dual Moisture Management Finish of sport-wear and similar articles to impart wear comfort and quick dry properties.

### *SPECIFICATIONS:*

<b>Appearance</b>	Colourless to slightly yellowish, clear to slightly turbid liquid.
<b>Chemical nature</b>	Aqueous dispersion of hydrophilic polyurethane.
<b>Ionic type</b>	Slightly cationic.
<b>Density (g/cc)</b>	App. 1.0 – 1.02
<b>pH (10% sol.)</b>	5 – 7
<b>Solubility</b>	Soluble in water at any ratio.
<b>Compatibility</b>	Can be used together with cationic and non-ionic products. Compatibility with anionic products should be pre-evaluated in the lab before use.
<b>Storage</b>	Store at temperature range of 5 – 40°C. Shelf life is at least 12 months.

### *PROPERTIES & USES:*

1. AVCO-WICK DMM imparts hydrophilic properties to woven and knitted fabrics made of synthetic fibres such as polyester and polyamide.
2. Imparts typical soft handle to the treated fabrics.
3. Non-Yellowing product.
4. AVCO-WICK DMM imparts anti-static properties to the treated fabrics.
5. Enables easy and smooth handling of fabrics during making up and sewing processes.
6. AVCO-WICK DMM reduces the tendency to pilling.
7. Suitable for application by padding and by exhaust processes.
8. The finish can be over dyed easily.

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9. AVCO-WICK DMM can be applied together with all kinds of other finishing agents. Compatibility tests are recommended before use.

### ***APPLICATION:***

#### **1. Padding process**

Add to the padding solution 30 – 50 g/l of AVCO-WICK DMM.

Adjust to pH app. 5 with acetic acid.

Pad, adjust pick up to 70 – 90%.

Dry at 130 – 170°C.

#### **2. Exhaust process**

Apply at liquor ratio 1:3 – 1:10.

Add to the finishing machine 3 – 5% AVCO-WICK DMM on the weight of the fabrics.

Adjust to pH 4.5 – 5 with acetic acid.

Treat for 20 – 30 minutes at 50°C.

Hydroextract and dry.