

Dampening Roller Cover

NEW MOL



Katsura Roller Mfg. Co., Ltd.



Basic information of NEW MOL

Reliability

New Mol has been sold worldwide, mainly in North America, Europe, and Asia for more than **40 years** (Since 1969).

Sheared 100% synthetic fiber composition

Water absorption and retention is far superior to non-sheared and cotton covers which prevents scumming of print and ink buildup.

Long Life

The Life time is **more than 8 times** compared to Cotton Damper Covers.

Easy Attachment

New Mol **shrinks tight when wet with water** and no-break in period is needed as linting is non-existent from the start.

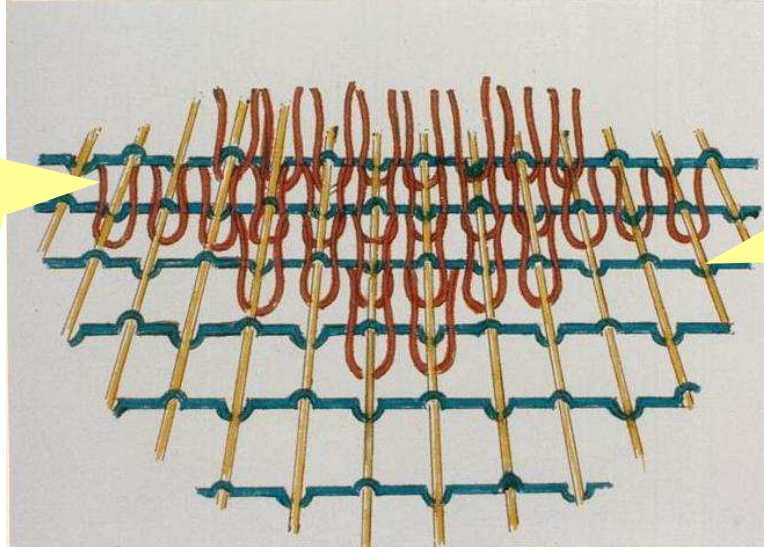


Features of NEW MOL

- **No fluff stripping** (Lint free) as the surface pile fibers are bound tight by the shrinking of base yarn.
- **Outstanding water absorbency**, providing stable and uniform water supply effective for improving image quality.
- **Snug shrink-on fit** with cold water. It **will not loosen or twist** even at high speed runs.
- Evenly sheared surface height permits reduced roller-to-plate pressure settings, **extending plate life and improvement image quality**.
- Sheared, velour-like surface and seamless construction provide **pattern free printing**.
- **Long life, Usually 2 months** while cotton covers are replaced in a week or so.
- **Easy cleaning and quick replacement**.
- Allows **carrying less in stock** because there are **only 10 sizes against roller diameter 20 – 120mm**.

Why no fluff stripping?

Pile filament has excellent **water retention property** and **ink repellent property**.



Base filament is **shrinkable** and has great **water absorption property**. It doesn't stretch back even when dried.

Different filaments are used for Pile filament and Base filament. The surface pile filaments are bound tight by the shrinking base filament.



Linting or fiber separation is non-existent from the start.

Cotton yarn tends to loosen when water is applied.

HOW TO FIT NEW MOL - 1



1. Fold one end where its size or an arrow is marked about 5cm to inside.



2. Insert the dampening roller from the folded part.

HOW TO FIT NEW MOL - 2

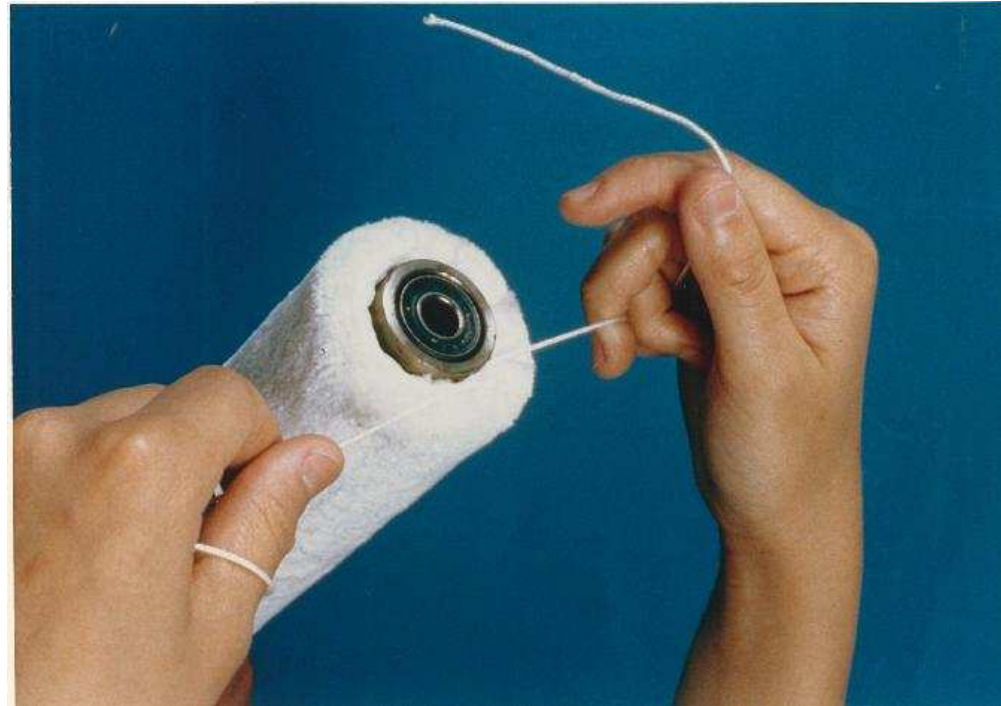
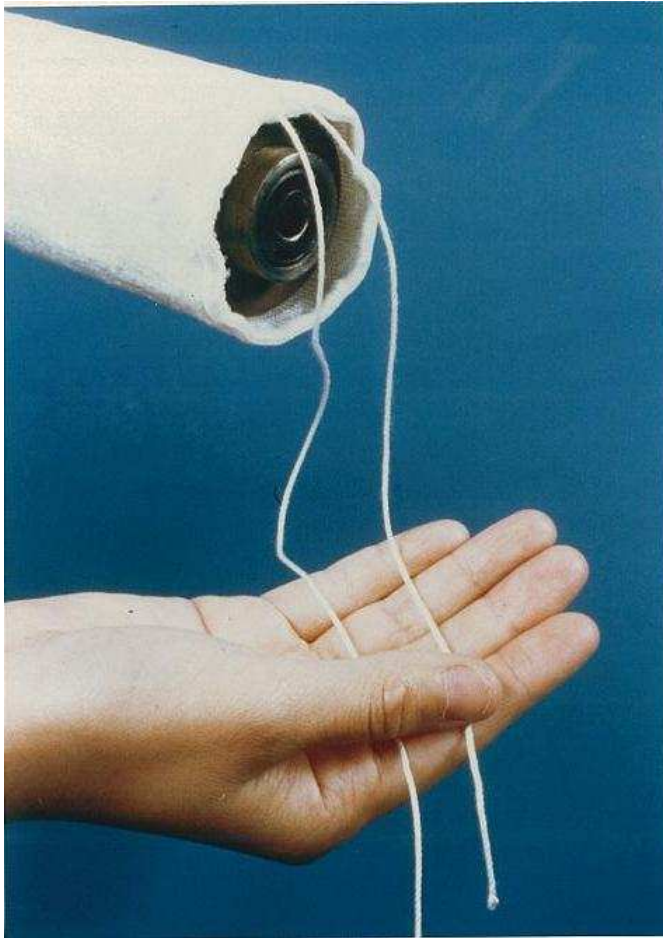
3. **New Mol** surface will appear as you insert it all the way through.



4. Tie one end to the spindle with a string or a band. Pull it from another end to stretch it. Tie this end in the same way.

HOW TO FIT NEW MOL - 3

5. “NEW MOL with strings attached” is also available on request.



HOW TO FIT NEW MOL - 4



6. Drench whole part of roller with water and leave it for 10 min or so. **NEW MOL** will be tightly set.

DO NOT USE HOT WATER!

It SHOULD BE BELOW 30 °C.



7. Wash off the milky substance with water by brushing it to the setting direction before the installation on the press. This is needed just for the first time of installation.



HOW TO FIT NEW MOL - 5

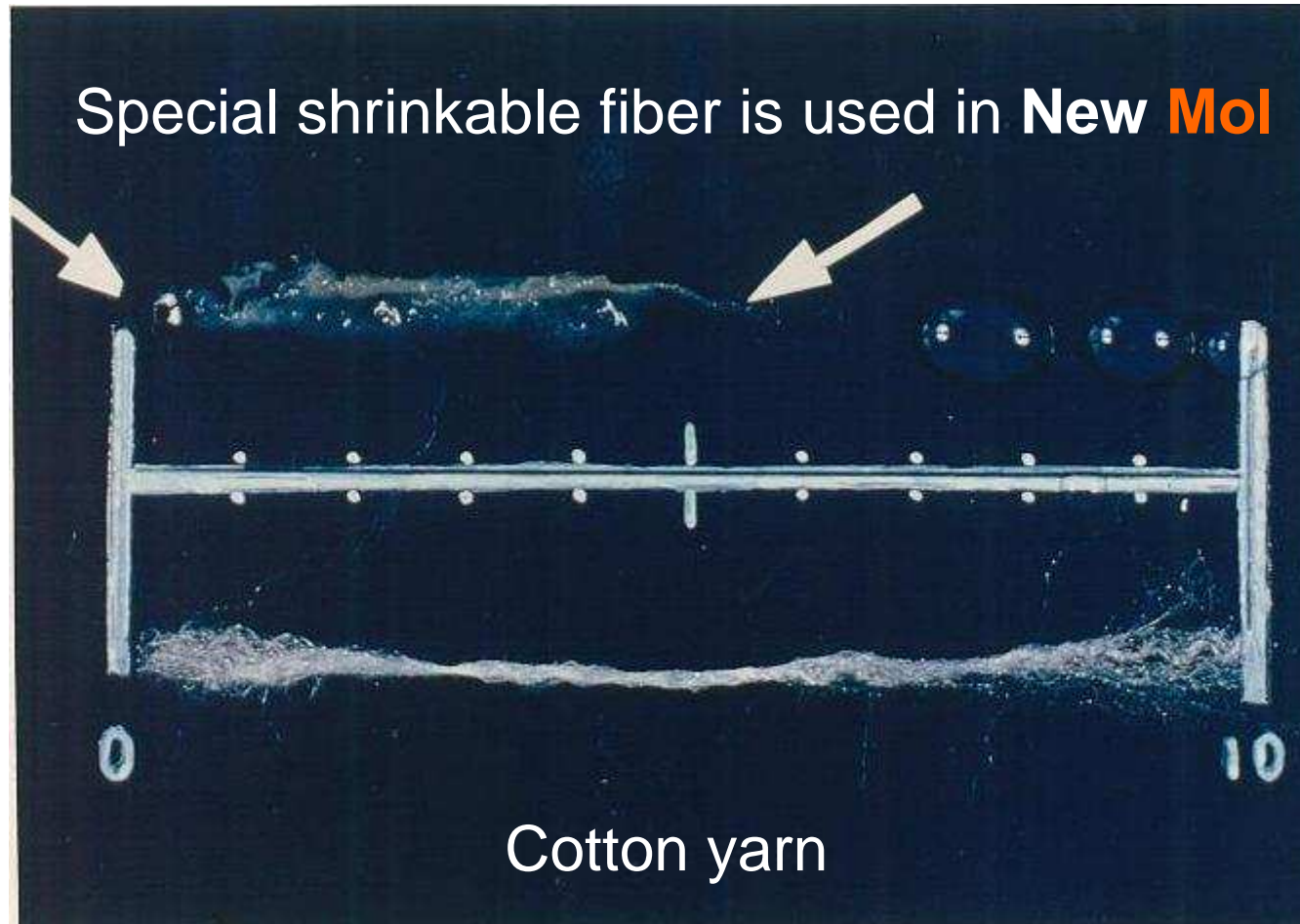
8. Water temperature influences the starting time of printing due to the different shrink rate. For a secure fit, it should be left for 15 – 30 min.

<u>Water Temp.</u>	<u>Standby Time</u>
10°C	15 min. or more
15°C	10 min. or more
20°C	5 min. or more

DO NOT USE HOT WATER!
IT SHOULD BE BELOW 30 °C.

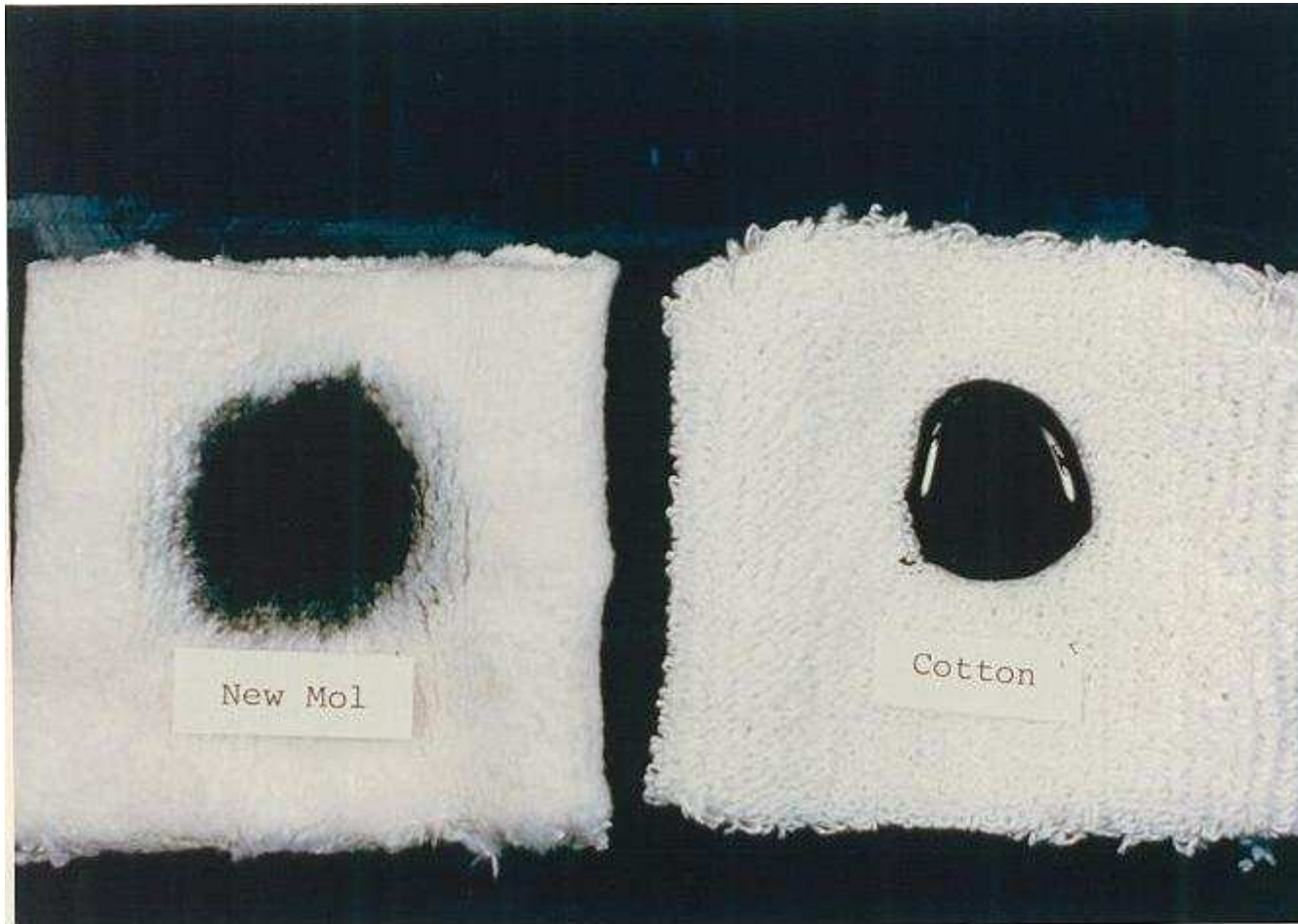


Why does NEW MOL shrink?

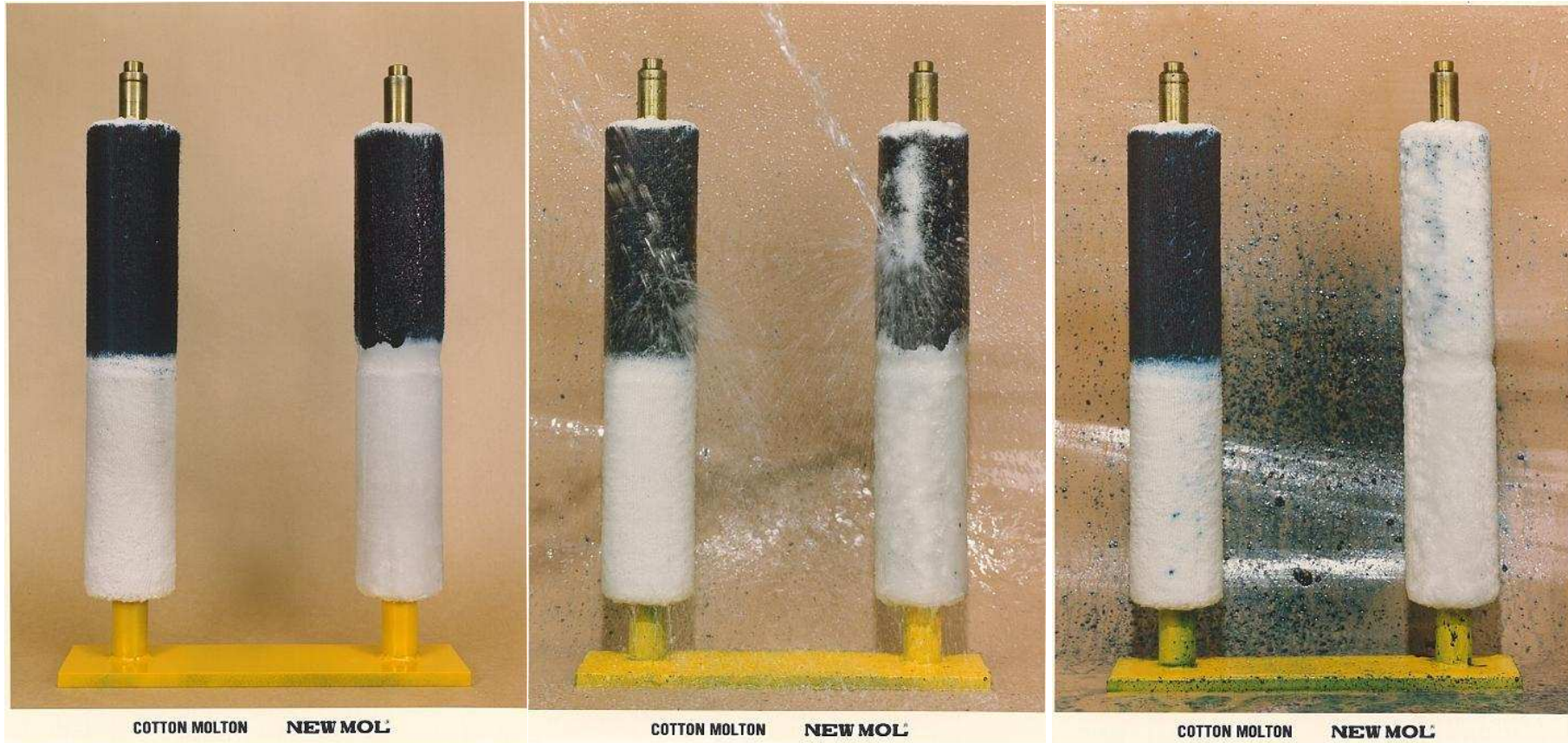


Water absorbency

Colored water is used to show the water absorbency.



How easy is it to clean NEW MOL?



- **NEW MOL** minimizes ink accumulation.
- Can be washed easily with general damper cover cleaner or neutral detergent.
- **NEW MOL** may be cleaned between jobs or at the end of the day in just one minute or less.



What is the lifetime of NEW MOL?

Life Time of New Mol is usually more than 8 times compared to cotton covers.

Average Life time of New Mol is 2 months or more while cotton damper covers are replaced in a week or so.



NEW MOL : Before use and after use of 6 months



Cautions for use

1. When selecting the New Mol size, please select the intermediate size from the applicable size range. For example, New Mol No.6 (50-40mm) best fits the roller diameter around 44-46mm.
2. After mounting New Mol on the roller, drench it with water and make sure it is left for at least 5-15 min. This is very important to achieve best performance of New Mol. This process is required for the initial installment only.
3. New Mol should not be used in combination with Damper sleeves or Damper papers. Because the water carrying properties are different, it will make the control of water supply difficult.
4. Please refrain from using fountain solutions which include “gum arabic” . Because New Mol is used for a long time, gum arabic is sometimes eroded and causes bacteria which also erodes the inside of New Mol. This can happen also to Cotton covers but it is rarely seen because Cotton covers are replaced frequently.
5. New Mol should be used immediately after opening the bag.
6. Keep New Mol away from wet and humid places.
7. New Mol must be used within 1 year from the production.