

# VISCOBLEACH

VISCOSE BLEACHING @  
LOW TEMPERATURE AND LOW pH

## **VISCOBLEACH**

### **LET'S DYE YOUR VISCOSE TOGETHER**

#### **COMMON MISTAKES and HOW TO DYE VISCOSE RAYON...**

##### **Mistake 1 ...**

Viscose is white, no need to bleach... So I don't bleach, only boil, but I had creases and undyed parts specially in dark colors... Besides my colors are dull.

##### **Solution**

Wrong...Viscose rayon is not bleached for whiteness but to remove sulphur & CS<sub>2</sub> from the fiber. These reductive chemicals are found in the nature of viscose fiber. As they are reductive, they also reduce the colors and form unlevelled dyeing. These effects are more easily seen on dark and more reduction-sensitive colors like vinylsufone dyes.

Unbleached viscose results dull colors.

##### **Mistake 2 ...**

I know that NaOH is detrimental for viscose, then shall I bleach with peroxide/soda ash?

##### **Solution**

NaOH can never be used with viscose rayon. Soda is safe. But soda pH is not enough to activate peroxide to clean sulphur ... Secondly high temp. is also harmful for fiber structure and creates more creases...

SO USE **VISCOBLEACH**®... Bleach at 60 °C and dye at 60 °C. at low pH=9,5 - 9 % No temp. differences..

##### **Mistake 3...**

When I do peroxide bleaching, I use same amount of peroxide stabilizer but sometimes face pinholes.

##### **Solution**

Viscose rayon have considerable amount iron content which catalyze peroxide dissociation and may cause fiber strenght loss and pinholes. Extra peroxide stabilizer is required or USE **VISCOBLEACH**® ...Which contains activator, stabilizer complexing agent and mild alkali.

## WHAT IS VISCOBLEACH® ?

As described, peroxide/soda bleaching at 95 °C is harmful for viscose and will not be sufficient for a proper cleaning. Fabric weakened and sometimes pin-holed at this severe processing condition.

EKSOY developed **VISCOBLEACH®** to treat viscose at mild temp. Range & low pH..

	<i>Dyeing %</i>	<i>White, %</i>
<b>VISCOBLEACH®</b>	1	3 - 4
Exolube NC	1	1
Peroxide,50%	1	6 - 8
Optic X	-	More than 50% of the cotton consumption rate
Temperature, C°	70	95
Time, min.	30	60

Below, **VISCOBLEACH®** & classical peroxide&soda method is compared. After bleaching both fabric samples are treated with 0,5 % OPTIC CO (OBA).

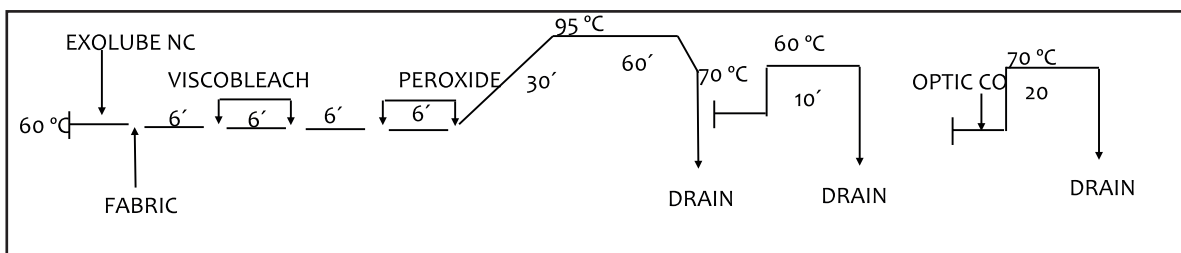
	<i>Whiteness Index-CIE</i>	<i>Whiteness Index-GANZ</i>
PEROXIDE / SODA	132,48	189,15
PEROXIDE / <b>VISCOBLEACH®</b>	149,26	222,03

## ALSO CARE ABOUT FOLLOWING POINTS

- Load fabric into dyeing machine, which is filled with 60 °C heated water and 1 g/l EXOLUBE NC
- Instead of sodium chloride, sodium sulphate is preferred.
- Amount of sulphate is 30 % reduced with respect to catalog values, given for cotton dyeing.
- Due to poor migration property, apply 60 °C isothermal method system preferred.
- Increase liquor ratios around 20 %...

**PLEASE SURF ON OUR WEB-PAGE FOR DETAILED PROCESSING INFORMATION.**

OPTICAL BRIGHTENING PROCESS WITH “**VISCOBLEACH®**” ON 100 % VISCOSE KNITTED FABRICS



## PTD BLEACHING 100% VISCOSE KNITTED FABRICS

