



VISCOSE BLEACHING @
LOW TEMPERATURE AND LOW pH

Viscobleach



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 & CS₂ 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 vinylsufphone 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 temperature 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 temperature 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..

VISCOBLEACH®	1 %
Peroxide, 50 %	1 %
EXOLUBE NC	0,5 - 1 %
Temp.	60 - 70 °C
Time	30 min

Fabric is hot washed, antiperoxide treated.

By this process, sulphur content is safely eliminated, shades become brilliant and touch is voluminous and bulky!

FOR PERFECT WHITENESS

USE VISCOBLEACH®

High grade full-bleaching cannot be approached by conventional peroxide&soda at 95 °C . At low pH, peroxide can not be activated fully.

EKSOY designed **VISCOBLEACH®** to overcome this disadvantage to approach high degree whiteness index.

VISCOBLEACH®	3 %
Peroxide, 50 %	7 %
EXOLUBE NC	0,5 - 1 %
Temp.	95 °C
Time	60 min

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

	Whiteness Index-CIE	Whiteness Index-GANZ
PEROXIDE / SODA	132,48	189,15
PEROXIDE / VISCOBLEACH	149,26	222,03

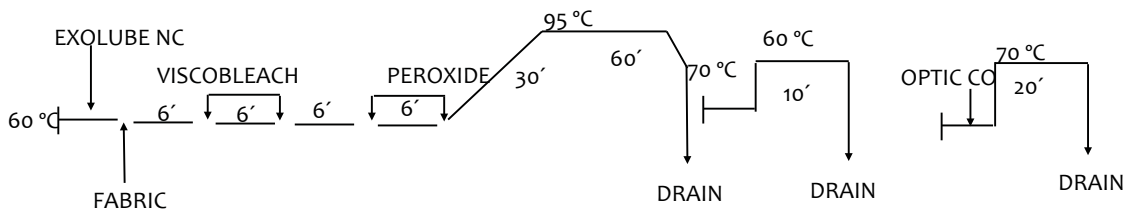
ALSO CARE ABOUT FOLLOWING POINTS

- 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

Auxiliary	Concentration
VISCOBLEACH®	3 %
H ₂ O ₂ (50 %)	7 %
EXOLUBE NC	0,5 % (Anticreasing, Levelling & Dispersing Agent)



PTD BLEACHING 100 % VISCOSE KNITTED FABRICS

Auxiliary	Concentration
VISCOBLEACH®	1 %
Peroxide (50 %)	2 %
EXOLUBE NC	0,5 % (Anticreasing, Levelling & Dispersing Agent)

