

PCL3 liquid dyes for polycarbonate material

INSTRUCTIONS FOR USE

Prepare a dyeing bath by diluting **PCL3 liquid dyes** with water. Heat it up.

1 volume **PCL3 liquid dyes** + 9 volumes water at a temperature of **85°C +/-2°C**.

Stir well and let stabilize for few minutes. Dip uncoated polycarbonate lenses in the dyeing bath during 2 to 20 minutes according the required intensity. A slow agitation of lenses is required during the coloration.

Rinse immediately with water.



Material

Bear Polycarbonate, Trivex®, tri-acetate.

Advantages

- Easy-to-use dyeing process.
- Stable and uniform coloration.
- Realization of degraded colors.
- No discoloration during the coating step.

Packaging

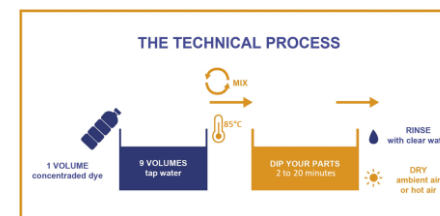
1 liter jerrycan with a measuring cap. 5 or 10 liters jerrycan.

Storage

1 year in tightly closed packaging under usual storage conditions.

Shades

A range of 12 standard colors is available. Many colors can be achieved through mixing.



RELATED PRODUCTS

Preparation

For an optimum evenness, a brief dipping in a solution at 80°C containing 50 to 100 ml/l of **8390PCL3 surface preparation** is recommended.

Cleaner

7520B cleaner is suitable for an effective cleaning of tanks and holders,

Discolorant

Inconvenient shades can be cleaned up with **8390PCL3 preparation surface**.

Dilute 1 volume 8390PCL3 + 9 +/-1 volumes water. Heat up the solution to 80°C and dip tinted lenses for few minutes. Rinse with water.

Coloration of organic lenses

CR39® lenses are easily dye with our **CRX dyeing powders** (technical bulletin n° 20 CO 31).

Heat transfer liquid

5880 heat transfer is a liquid for heating machine. Not volatile, it does not form fumes.

Services

Formulation and realization of shades on demand

Color matching of PCL4 liquid dyes from a Pantone® or RAL® reference.



« The principle of color combinations »

Our booklet recalls the essential chromatic properties to obtaining particular colors. It's a mini-guide that explains how to build your dyeing baths.



Spectrocolorimetric analysis

To guarantee ever more performance to our customers and partners, TCN is equipped with a spectrocolorimetric device to ensure:

The L*a*b* color measurement of a tinted piece, in reflection and transmission, under different illuminants.

Reproducibility and conformity of each batch of dyes.



UV aging test

Our xenon lamp equipment allows to simulate aging tests and know the UV resistance of our dyes.

Our customers can ensure the behavior of their colorful pieces and the change in properties of their materials by solar radiation in a short time.



PCL3 liquid dyes

Green



Green
3450PCL3



Grey Green
5661PCL3

Pink and red



Pink
3442PCL3



Scarlet
3443PCL3



Pink Brown
3466PCL3

Yellow and Olive brown



Yellow
3441PCL3



Orange
5945PCL3



Olive Brown
3446PCL3

Blue and Black



Blue
3437PCL3



Night
3438PCL3



Neutral Grey
3444PCL3



Black
5894PCL3