

PCL3.2 liquid dyes for polycarbonate material

INSTRUCTIONS FOR USE

Prepare a dyeing bath by diluting **PCL3.2 liquid dyes** with water. Heat it up.

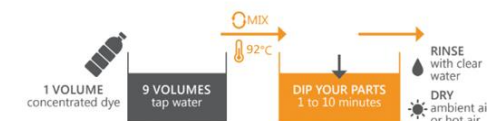
1 volume **PCL3.2 liquid dyes** + **9** volumes **water** at a temperature of **85°C +/-2°C**.

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.

THE TECHNICAL PROCESS



RELATED PRODUCTS

Preparation

For an optimum evenness, a dipping for few minutes in a solution at 85°C containing 100 ml/l of **8626 PCL3.2 discolorant** is recommended.

Cleaner

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

Discolorant

Inconvenient shades can be removed off with **8626 PCL3.2 discolorant**. Dip lenses for few minutes in pure **discolorant** at 85°C. Rinse with warm 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.



PCL3.2 concentrated liquid dyes are suitable for tinting uncoated polycarbonate material.

They are mainly used for sports and safety eyewear, screens and visors.



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.

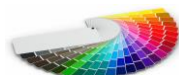


PCL3.2 liquid dyes

Shades

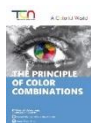
A range of 12 standard colors is available. Many colors can be achieved through mixing.

SERVICES



Formulation and realization of shades on demand

Color matching of PCL3.2 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.

Precise color matching of specific shades.



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.

Green



Green

-
3450



Grey green

-
5661

Pink and Red



Pink

-
3442



Scarlet

-
3443



Pink brown

-
3466

Yellow and Olive brown



Yellow

-
3441



Orange

-
5945



Olive brown

-
3446

Blue and Black



Blue

-
3437



Night

-
3438



Neutral grey

-
3444



Black

-
5894