Gulden Ophthalmics' Color Filter Bar Set (Part #: 15327) Technical Data Sheet

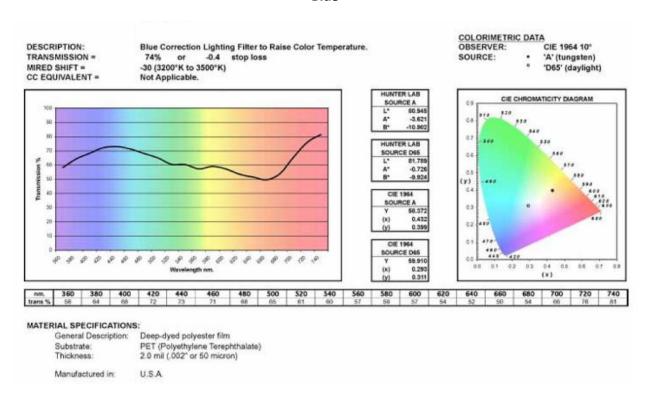
The color filter bars were designed to help patients, in particular patients with TBI (Traumatic Brain Injury), determine their ideal tint. Oftentimes, a particular tint will lessen visual symptoms of TBI such as confusion and headache. Additionally, the filter bar set can be used to help low vision patients select a tint to improve contrast in a particular situation (e.g., driving on a cloudy, rainy day).

There are four colors in the set: grey, amber, rose, and blue. The filters have been stacked to achieve the following transmission values:

- Transmission of the Blue filter (lightest to darkest tint): 74.0, 54,8, 40.5, 30.0
- Transmission of the Grey filter (lightest to darkest tint): 70.0, 49.0, 34.3, 24.0
- Transmission of the Rose filter (lightest to darkest tint): 80.0, 64.0, 51.2, 41.0
- Transmission of the Amber filter (lightest to darkest tint): 68.0, 46.2, 31.4, 21.4

Here is the spectrophotometer and chromaticity data for each of the colors:

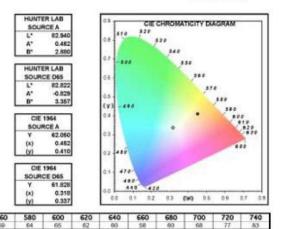
Blue



Grey

DESCRIPTION:
TRANSMISSION = 70% or -0.5 stop loss
MIRED SHIFT = Not Applicable.
CC EQUIVALENT = Not Applicable.

COLORIMETRIC DATA
OBSERVER: CIE 1964 10°
SOURCE: 'A' (tungsten)
' 'D65' (daylight)



MATERIAL SPECIFICATIONS:

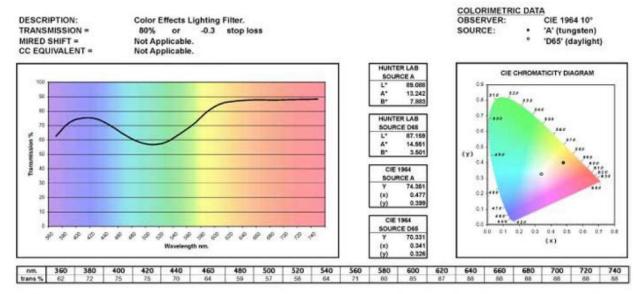
60

58

General Description: Deep-Dyed Polyester Film
Substrate: PET (Polyethylene Terephthalate)
Thickness: 2.0 mil (.002* or 50 micron)

Manufactured in: U.S.A.

Rose



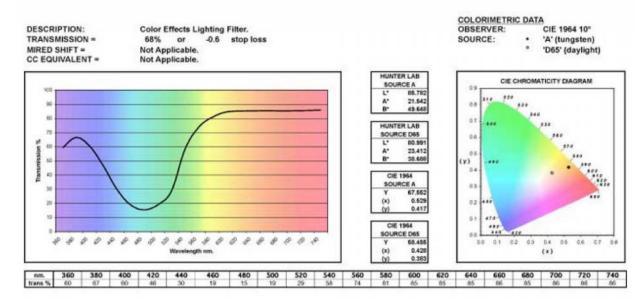
MATERIAL SPECIFICATIONS:

General Description: Co-extruded Polycarbonate Film Substrate: PC (Polycarbonate)
Thickness: 3.0 mil (.003" or 76.2 micron)

Manufactured in:

U.S.A.

Amber



MATERIAL SPECIFICATIONS:

General Description: Deep-Dyed Polyester Film
Substrate: PET (Polyethylene Terephthalate)
1.5 mil (.0015" or 38 micron)

Manufactured in: U.S.A.