



OPTICAL TRANSMITTANCE PROPERTIES

TECHNICAL DATA SHEET

Section 2

COLOUR CODE : Pa N7130 Ar Bluez Mir 75.6.2,0

ANSI Z80.3 - 2001

American National Standard

PRIMARY FUNCTION :

GENERAL PURPOSE LENS OR SHIELD, MEDIUM TO DARK

USE:

HIGH AND PROLONGED EXPOSURE

Color Limit Regions of Acceptance

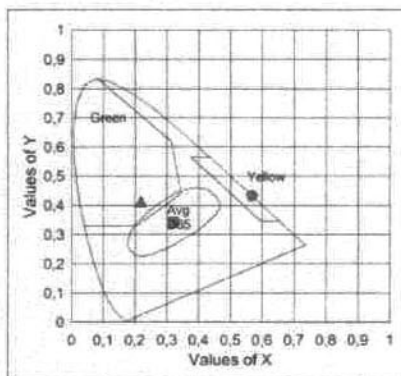


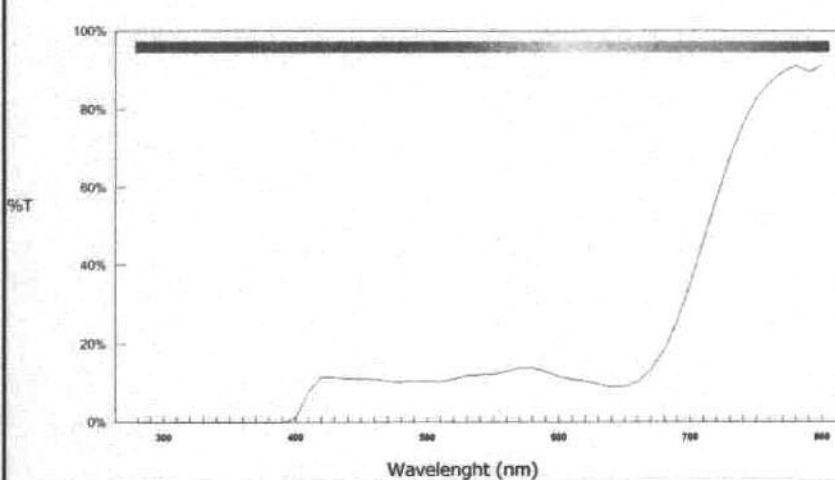
Table with 4 columns: Property, CENTER, TOP, BOTTOM. Rows include ILLUMINANT C TRANSMITTANCE (12,0%), AVG. UVB TRANSMITTANCE (290 - 315 nm) (PASS), AVG. UVA TRANSMITTANCE (315 - 380 nm) (PASS), SPECTRAL TRANSMITTANCE (500-650nm) (PASS), RED TRAFFIC SIGNAL TRANSMITTANCE (PASS), YELLOW TRAFFIC SIGNAL TRANSMITTANCE (PASS), GREEN TRAFFIC SIGNAL TRANSMITTANCE (PASS), AVERAGE DAYLIGHT D65 COLOUR LIMITS (PASS), YELLOW TRAFFIC SIGNAL COLOUR LIMITS (PASS), GREEN TRAFFIC SIGNAL COLOUR LIMITS (PASS), POLARIZATION RATIO: TYPE I° (> 20:1) (N.R.), TYPE II° (> 8:1) (N.R.), PHOTSENSITIVE RATIO: TYPE I° (> 1,5) (N.R.)

AS/NZS 1067 - 2003

Australian/New Zealand Standard

Table with 4 columns: Property, CENTER, TOP, BOTTOM. Rows include General Transmittance Requirements, Filter Category (3 - Dark tint), Luminous Transmittance - D65 (380-780nm) (12,0%), Max Solar UVA Trans (315-400nm) (PASS), Max Spectral Trans (315-350nm) (PASS), Max Spectral Trans (280-315nm) (PASS), Requirements for road use and driving, Spectral Transmittance (450-650nm) (PASS), Q Red (PASS), Q Yellow (PASS), Q Green (PASS), Q Blue (PASS)

Polarizing Ratio > 4:1 (N.R.)
Degree of Polarization (N.R.)
Polarizing Ratio > 8:1 (N.R.)



TRANSMISSION VALUES (CENTER)

Table with 6 columns: Wavelength (nm), %T, Wavelength (nm), %T, Wavelength (nm), %T. Rows include values from 280 to 780 nm.



OPTICAL TRANSMITTANCE PROPERTIES

TECHNICAL DATA SHEET

In pursuance of EU Directive 89/686/EE

Section 2

COLOUR CODE :

Pa N7130 Ar Bluez Mir 75.6.2,0

EN 1836:2005/A1:2007

European Standard
section 4.1 and 6.2

Filter Type

- Solid Tint Polarizing
 Gradient Tint Photochromic

Transmittance Claims

- Solar Infra-red Transmittance Solar UVA Transmittance
 Solar Blue-light Transmittance Solar UVB Transmittance
 Solar UV Transmittance

General Transmittance Requirements

Filter Category

- Dark tint

Photochromic Ratio ≥ 1.25

Polarizing Ratio $> 4:1$

Degree of Polarization

Polarizing Ratio $> 8:1$

Luminous Transmittance - D65 (380-780nm)

| | | |
|--------|-----|--------|
| CENTER | TOP | BOTTOM |
| 12,0% | | |

Max Solar UVA Trans (315-380nm)

Max Spectral Trans (315-350nm)

Max Spectral Trans (280-315nm)

Requirements for road use and driving

section 4.1.3.2

Spectral Transmittance (500-650nm)

| | | |
|--------|-----|--------|
| CENTER | TOP | BOTTOM |
| PASS | | |

Q Red

Q Yellow

Q Green

Q Blue

Claimed Transmittance Properties

section 6.2.1.2

Infrared Transmittance

N.R.

Blue Light Transmittance (380-500nm)

N.R.

UV Transmittance (280-380nm)

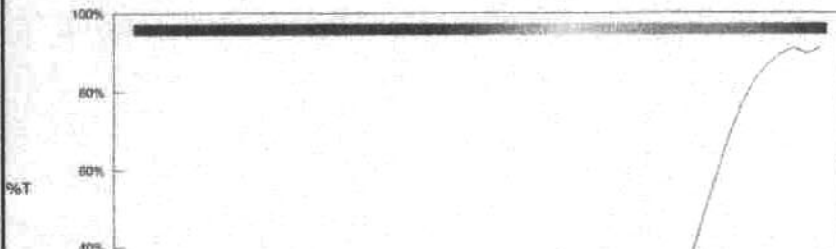
$< 0,01$ %

UVA Transmittance (315-380nm)

$< 0,01$ %

UVB Transmittance (280-315nm)

$< 0,01$ %



| | | | | | |
|-----|------|-----|------|-----|------|
| 280 | 0,0 | 290 | 0,0 | 300 | 0,0 |
| 310 | 0,0 | 320 | 0,0 | 330 | 0,0 |
| 340 | 0,0 | 350 | 0,0 | 360 | 0,0 |
| 370 | 0,0 | 380 | 0,0 | 390 | 0,0 |
| 400 | 1,0 | 410 | 7,9 | 420 | 11,6 |
| 430 | 11,5 | 440 | 11,2 | 450 | 11,1 |
| 460 | 11,0 | 470 | 10,5 | 480 | 10,3 |
| 490 | 10,6 | 500 | 10,5 | 510 | 10,4 |
| 520 | 11,0 | 530 | 11,9 | 540 | 12,2 |