



OPTICAL TRANSMITTANCE PROPERTIES

TECHNICAL DATA SHEET

In pursuance of EU Directive 89/686/EE

Section 2

**COLOUR CODE :** Pa NZ310 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**

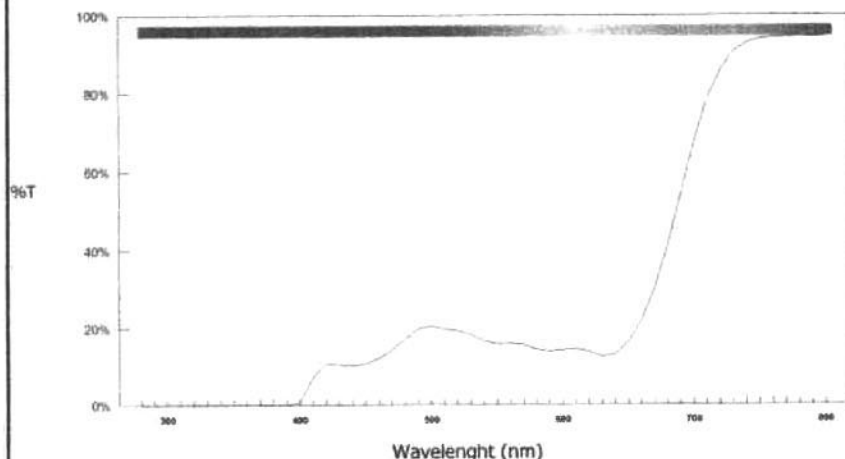
Filter Category	<input type="text" value="3"/>	- Dark tint	
Photochromic Ratio >= 1.25	<input type="text" value="N.R."/>		
Polarizing Ratio > 4:1	<input type="text" value="N.R."/>		
Degree of Polarization	<input type="text" value="N.R."/>		
Polarizing Ratio > 8:1	<input type="text" value="N.R."/>		
Luminous Transmittance - D65 (380-780nm)	<input type="text" value="CENTER 16,5%"/>	<input type="text" value="TOP"/>	<input type="text" value="BOTTOM"/>
Max Solar UVA Trans (315-380nm)	<input type="text" value="PASS"/>	<input type="text"/>	<input type="text"/>
Max Spectral Trans (315-350nm)	<input type="text" value="PASS"/>	<input type="text"/>	<input type="text"/>
Max Spectral Trans (280-315nm)	<input type="text" value="PASS"/>	<input type="text"/>	<input type="text"/>

**Requirements for road use and driving**

<small>section 4.1.3.2</small> Spectral Transmittance (500-650nm)	<input type="text" value="CENTER PASS"/>	<input type="text" value="TOP"/>	<input type="text" value="BOTTOM"/>
Q Red	<input type="text" value="PASS"/>	<input type="text"/>	<input type="text"/>
Q Yellow	<input type="text" value="PASS"/>	<input type="text"/>	<input type="text"/>
Q Green	<input type="text" value="PASS"/>	<input type="text"/>	<input type="text"/>
Q Blue	<input type="text" value="PASS"/>	<input type="text"/>	<input type="text"/>

**Claimed Transmittance Properties**

<small>section 6.2.1.2</small> Infrared Transmittance	<input type="text" value="N.R."/>			
Blue Light Transmittance (380-500nm)	<input type="text" value="N.R."/>			
UV Transmittance (280-380nm)	<input type="text" value="&lt; 0,01 %"/>			
UVA Transmittance (315-380nm)	<input type="text" value="&lt; 0,01 %"/>			
UVB Transmittance (280-315nm)	<input type="text" value="&lt; 0,01 %"/>			



TRANSMISSION VALUES ( CENTER )

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	0,9	410	7,6	420	11,0
430	10,8	440	10,5	450	11,0
460	12,4	470	14,5	480	17,3
490	20,0	500	20,7	510	20,0
520	19,5	530	18,4	540	16,8
550	16,0	560	16,1	570	15,8
580	14,6	590	14,1	600	14,5
610	14,7	620	13,9	630	12,8
640	13,3	650	16,5	660	21,9
670	30,2	680	41,4	690	54,8
700	67,9	710	78,6	720	86,1
730	90,7	740	92,9	750	93,9
760	94,2	770	94,4	780	94,5



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**COLOUR CODE :** Pa NZ310 Ar Bluez Mir 75.6.2,0

**ANSI Z80.3 - 2001**

American National Standard

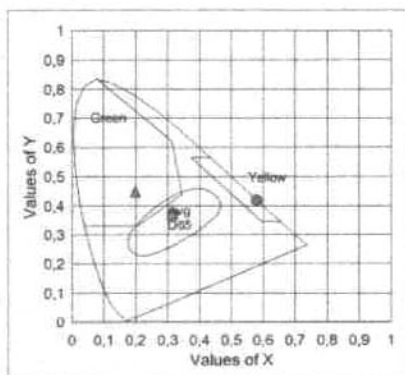
PRIMARY FUNCTION :

**GENERAL PURPOSE LENS OR SHIELD,  
MEDIUM TO DARK**

USE:

**HIGH AND PROLONGED EXPOSURE**

Color Limit Regions of Acceptance



	CENTER	TOP	BOTTOM
ILLUMINANT C TRANSMITTANCE	16,5%		
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.	
PHOTOSENSITIVE RATIO : TYPE I° ( > 1,5 )		N.R.	

**AS/NZS 1067 - 2003**

Australian/New Zealand Standard

**General Transmittance Requirements**

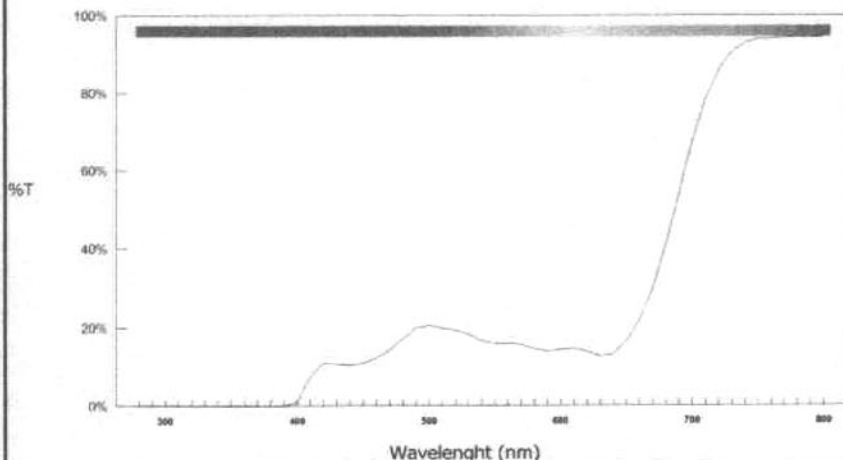
Filter Category  
Luminous Transmittance - D65 (380-780nm)  
Max Solar UVA Trans (315-400nm)  
Max Spectral Trans (315-350nm)  
Max Spectral Trans (280-315nm)

**Requirements for road use and driving**

Spectral Transmittance (450-650nm)  
Q Red  
Q Yellow  
Q Green  
Q Blue

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

	CENTER	TOP	BOTTOM
Filter Category	3	- Dark tint	
Luminous Transmittance - D65 (380-780nm)	16,5%		
Max Solar UVA Trans (315-400nm)	PASS		
Max Spectral Trans (315-350nm)	PASS		
Max Spectral Trans (280-315nm)	PASS		
Spectral Transmittance (450-650nm)	PASS		
Q Red	PASS		
Q Yellow	PASS		
Q Green	PASS		
Q Blue	PASS		



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520	19,5	530	18,4	540	16,8
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