



OPTICAL TRANSMITTANCE PROPERTIES

TRANSMITTANCE DATA SHEET

COLOUR CODE: **S6620 Orange**

LENS MATERIAL: **Polycarbonate**

LENS TREATMENT:

LENS SIZE: **Snow Goggle 180-110-6/4D-1.5 Tor**

| EUROPEAN STANDARD EN 1836:2005 + A1:2007 (not valid anymore, replaced by ISO 12312-1) | | | | AUSTRALIAN / NEW ZEALAND STANDARD AS/NZS 1067.1:2016 | | | |
|--|-------------|-----|--------|---|------------|-----|--------|
| | CENTER | TOP | BOTTOM | | CENTER | TOP | BOTTOM |
| Luminous Transmittance - D65 (380-780nm) | 41,04% | | | Luminous Transmittance - D65 (380-780nm) | 41,04% | | |
| Filter Category | 2 | | | Filter Category | 2 | | |
| Description | Medium tint | | | Description | Sunglasses | | |
| UV Transmittance (280-380nm) | 0,0% | | | UV Transmittance (280-400nm) | 1,2% | | |
| UVA Transmittance (315-380nm) | 0,0% | | | UVA Transmittance (315-400nm) | 1,9% | | |
| UVB Transmittance (280-315nm) | 0,0% | | | UVB Transmittance (280-315nm) | 0,0% | | |
| Max Spectral Trans (280-315nm) | PASS | | | Max Spectral Trans (280-315nm) | PASS | | |
| Max Spectral Trans (315-350nm) | PASS | | | | | | |
| Max Solar UVA Trans (315-380nm) | PASS | | | Max Solar UVA Trans (315-400nm) | PASS | | |
| Spectral Transmittance (500-650nm) | PASS | | | Spectral Transmittance (475-650nm) | PASS | | |
| Solar Blue Light Transmittance (380-500nm) | 29,91% | | | Solar Blue Light Transmittance (380-500nm) | 29,91% | | |
| Recognition of signal lights and colours | | | | Recognition of signal lights and colours | | | |
| Q Red | PASS | | | Q Red | PASS | | |
| Q Yellow | PASS | | | Q Yellow | PASS | | |
| Q Green | PASS | | | Q Green | PASS | | |
| Q Blue | PASS | | | Q Blue | FAIL | | |

WARNING:

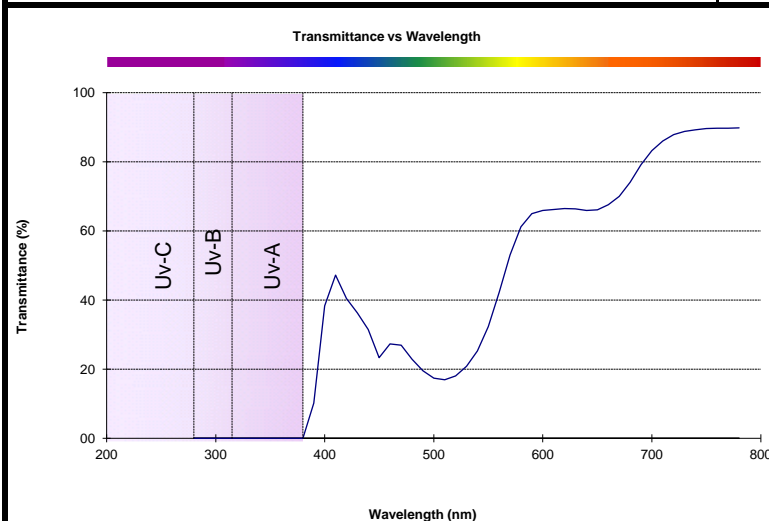
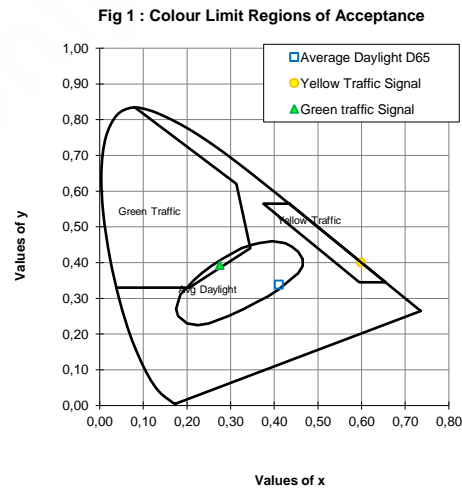
WARNING: Must not be used when driving



AMERICAN NATIONAL STANDARD - ANSI Z80.3-2018

| | CENTER | TOP | BOTTOM |
|--|--------------------------------|-----|--------|
| Illuminant C Transmittance (380-780nm) | 41,55% | | |
| Primary function: | Cosmetic Lens or Shield, light | | |
| Use: | High and prolonged exposure | | |
| Average UVB (280-315nm) | PASS | | |
| Average UVA (315-380nm) | PASS | | |
| Spectral Transmittance (475-650nm) | PASS | | |
| Solar Blue Light Transmittance (380-500nm) | 29,91% | | |
| Traffic Signals Transmittance | | | |
| Red signal transmittance | PASS | | |
| Yellow signal transmittance | PASS | | |
| Green signal transmittance | PASS | | |
| Color Distortion | | | |
| D65 | PASS | | |
| Yellow | PASS | | |
| Green | PASS | | |

WARNING:



| % 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 | 10,2 |
| 400 | 38,3 | 410 | 47,2 | 420 | 40,5 |
| 430 | 36,3 | 440 | 31,5 | 450 | 23,4 |
| 460 | 27,3 | 470 | 26,9 | 480 | 22,9 |
| 490 | 19,5 | 500 | 17,4 | 510 | 16,9 |
| 520 | 18,1 | 530 | 20,8 | 540 | 25,3 |
| 550 | 32,3 | 560 | 42,2 | 570 | 53,0 |
| 580 | 61,2 | 590 | 65,0 | 600 | 65,9 |
| 610 | 66,2 | 620 | 66,4 | 630 | 66,3 |
| 640 | 65,9 | 650 | 66,1 | 660 | 67,6 |
| 670 | 70,0 | 680 | 74,0 | 690 | 79,2 |
| 700 | 83,3 | 710 | 86,0 | 720 | 87,8 |
| 730 | 88,8 | 740 | 89,3 | 750 | 89,6 |
| 760 | 89,7 | 770 | 89,8 | 780 | 89,8 |

Notes: Reference point --> Geometrical centre




OPTICAL TRANSMITTANCE PROPERTIES

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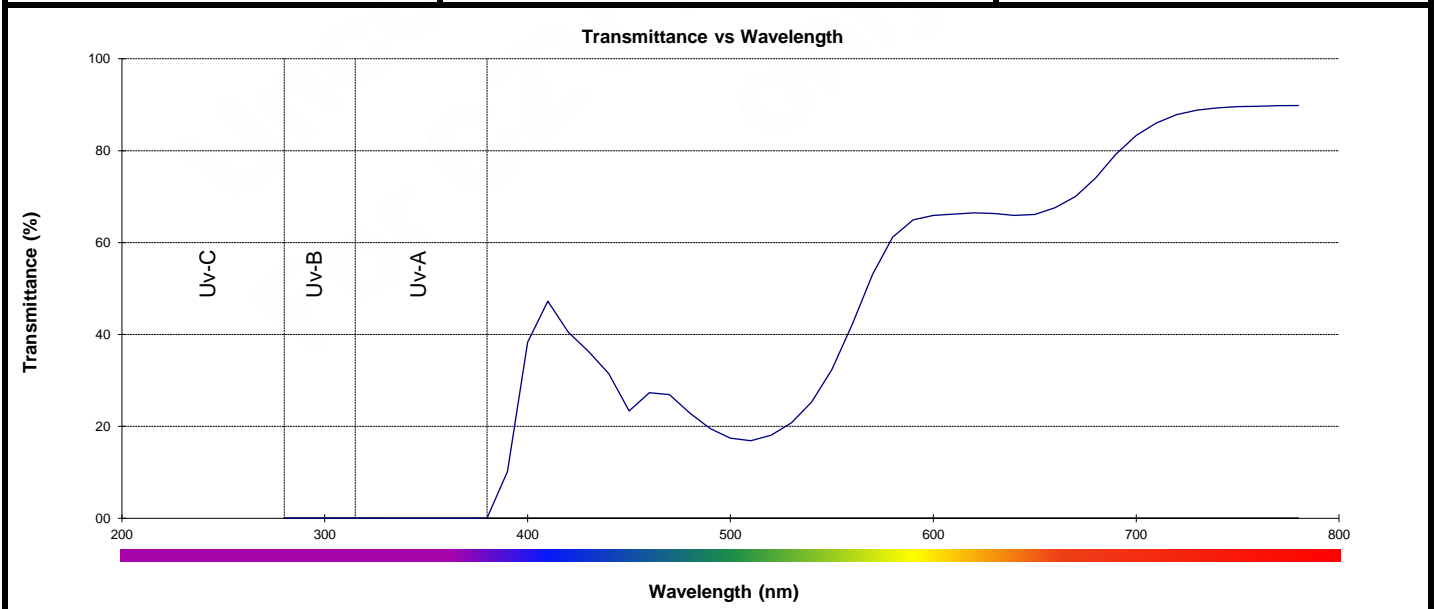
EN ISO 12312-1:2013/A1:2015

COLOUR CODE: **S6620 Orange**LENS MATERIAL: **Polycarbonate**LENS SIZE: **Snow Goggle 180-110-6/4D-1.5 Tor**

LENS TREATMENT:

| | CENTER | TOP | BOTTOM | INFORMATION AND LABELLING | |
|---|--------|-----|--------|---|--|
| Luminous Transmittance - D65 (380-780nm) | 41,04% | | | Filter Category | 2 |
| UV Transmittance (280-380nm) | 0,0% | | | Description | General purpose sunglasses |
| UVB Transmittance (280-315nm) | PASS | | | Usage | Good protection against sunglare |
| UVA Transmittance (315-380nm) | PASS | | | Symbol |  |
| Spectral Transmittance (475-650nm) | PASS | | | Not for direct observation of the sun | |
| Solar Blue Light Transmittance (380-500nm) | 29,91% | | | Not for protection against artificial light sources e.g. solaria | |
| Recognition of signal lights and colours | | | | Not for use as eye protection against mechanical impact hazards | |
| Q Red | PASS | | | WARNING: Not suitable for driving in twilight or at night | |
| Q Yellow | PASS | | | | |
| Q Green | PASS | | | | |
| Q Blue | PASS | | | | |

| Illuminant D50 | | | | Illuminant D65 | | | | Illuminant F11 | | | |
|----------------|------|----|-------|----------------|------|----|-------|----------------|------|----|-------|
| x | 0,45 | L* | 71,20 | x | 0,41 | L* | 70,21 | x | 0,47 | L* | 71,44 |
| y | 0,36 | a* | 32,52 | y | 0,34 | a* | 31,68 | y | 0,37 | a* | 31,25 |
| z | 0,19 | b* | 20,17 | z | 0,25 | b* | 17,72 | z | 0,16 | b* | 17,67 |



| % TRANSMISSION VALUES (CENTER) | | | | | | | | | | | | | |
|----------------------------------|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 280 | 0,0 | 355 | 0,0 | 430 | 36,3 | 505 | 17,0 | 580 | 61,2 | 655 | 66,7 | 730 | 88,8 |
| 285 | 0,0 | 360 | 0,0 | 435 | 35,3 | 510 | 16,9 | 585 | 63,6 | 660 | 67,6 | 735 | 89,1 |
| 290 | 0,0 | 365 | 0,0 | 440 | 31,5 | 515 | 17,3 | 590 | 65,0 | 665 | 68,7 | 740 | 89,3 |
| 295 | 0,0 | 370 | 0,0 | 445 | 26,5 | 520 | 18,1 | 595 | 65,6 | 670 | 70,0 | 745 | 89,4 |
| 300 | 0,0 | 375 | 0,0 | 450 | 23,4 | 525 | 19,2 | 600 | 65,9 | 675 | 71,8 | 750 | 89,6 |
| 305 | 0,0 | 380 | 0,0 | 455 | 24,5 | 530 | 20,8 | 605 | 66,0 | 680 | 74,0 | 755 | 89,7 |
| 310 | 0,0 | 385 | 1,4 | 460 | 27,3 | 535 | 22,8 | 610 | 66,2 | 685 | 76,6 | 760 | 89,7 |
| 315 | 0,0 | 390 | 10,2 | 465 | 28,2 | 540 | 25,3 | 615 | 66,3 | 690 | 79,2 | 765 | 89,7 |
| 320 | 0,0 | 395 | 25,7 | 470 | 26,9 | 545 | 28,4 | 620 | 66,4 | 695 | 81,4 | 770 | 89,8 |
| 325 | 0,0 | 400 | 38,3 | 475 | 24,9 | 550 | 32,3 | 625 | 66,5 | 700 | 83,3 | 775 | 89,8 |
| 330 | 0,0 | 405 | 45,1 | 480 | 22,9 | 555 | 37,0 | 630 | 66,3 | 705 | 84,8 | 780 | 89,8 |
| 335 | 0,0 | 410 | 47,2 | 485 | 21,1 | 560 | 42,2 | 635 | 66,1 | 710 | 86,0 | | |
| 340 | 0,0 | 415 | 45,1 | 490 | 19,5 | 565 | 47,7 | 640 | 65,9 | 715 | 87,0 | | |
| 345 | 0,0 | 420 | 40,5 | 495 | 18,3 | 570 | 53,0 | 645 | 65,9 | 720 | 87,8 | | |
| 350 | 0,0 | 425 | 36,9 | 500 | 17,4 | 575 | 57,6 | 650 | 66,1 | 725 | 88,4 | | |

Notes: Reference point --> Geometrical centre