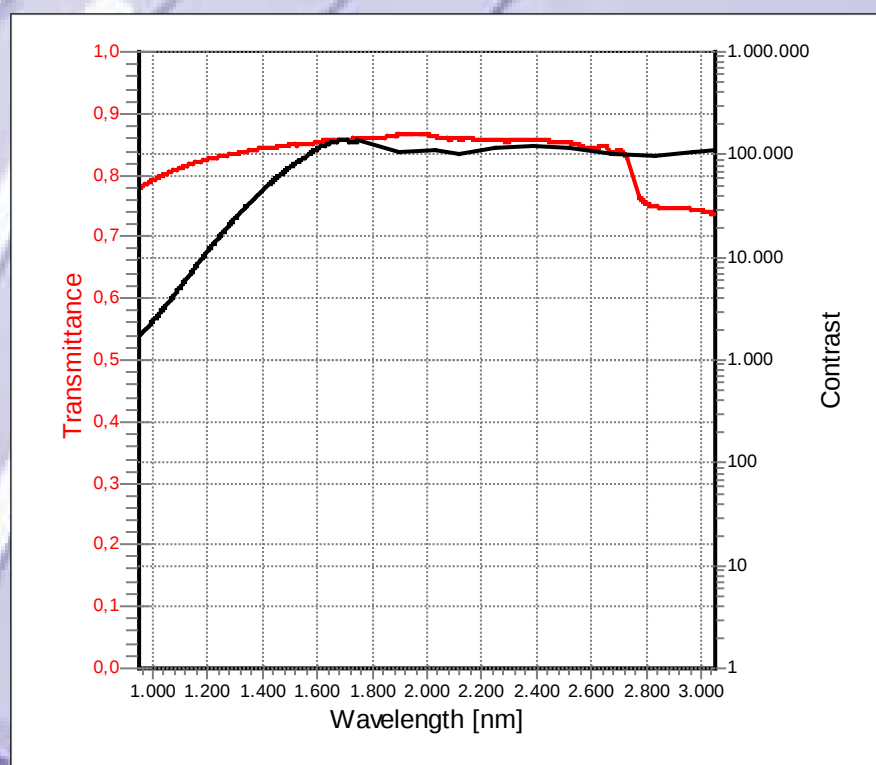


| <b>colorPol® NIR</b>                                                                                                     |                           |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Spectral range                                                                                                           | NIR                       |
| Wavelength range with <b>contrast &gt; 10 000 : 1</b> <sup>(1)</sup>                                                     | 1200 to 3000 nm           |
| Wavelength range with <b>contrast &gt; 1 000 : 1</b> <sup>(1)</sup>                                                      | 1000 to 3000 nm           |
| Transmittance (uncoated) range 1000 - 2700 nm                                                                            | > 77 %                    |
| Transmittance (uncoated) range 2700 - 3000 nm                                                                            | > 70 % (glass absorption) |
| Filter thickness <sup>(2)</sup>                                                                                          | 250 ± 65 µm               |
| Surface imperfections (scratch / dig)                                                                                    | 60 / 40 (MIL-O-13830A)    |
| Acceptance angle                                                                                                         | ± 20°                     |
| Polarization axis                                                                                                        | < 0.5° to edge            |
| Operating temperature                                                                                                    | -50 to +400 °C            |
| <sup>(1)</sup> contrast: ratio of parallel to perpendicular transmittance<br><sup>(2)</sup> other thicknesses on request |                           |
| Date: 04.11.2011                                                                                                         |                           |


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