

FILTER CATEGORIES

All sunglasses are attributed to one of five filter categories after how transparent they are. See the table below for the definition of the different categories.

| Filter category | Visible light | Absorption | Absorption | Description | Usage |
|-----------------|--------------------|------------|------------|--|--|
| | Transmittance (Tv) | Min-value | Max-value | | |
| 0 | Tv > 80 % | 0 % | < 20 % | Light tint sunglasses | Very limited reduction of sunglare |
| 1 | 43 % < Tv ≤ 80 % | ≥ 20 % | < 57 % | Light tint sunglasses | Limited protection against sunglare |
| 2 | 18 % < Tv ≤ 43 % | ≥ 57 % | < 82 % | General purpose sunglasses | Good protection against sunglare |
| 3 | 8 % < Tv ≤ 18 % | ≥ 82 % | < 92 % | General purpose sunglasses | High protection against sunglare |
| 4 | 3 % < Tv ≤ 8 % | ≥ 92 % | < 97 % | Very dark special purpose sunglasses, very high sunglare reduction | Very high protection against extreme sunglare, e.g. at sea, over snowfields, on high mountains, or in desert |

CATEGORIES FOR OUR FILTERS

In the table below, all pf our filter lenses are listed with the filter category it belongs to both with and without polarization.

| Filter | Category | Transmittance visible light | Night driving Yes/No |
|-----------|----------|-----------------------------|----------------------|
| LLR | 1 | 79% | Yes |
| C1 | 1 | 79% | Yes |
| 450 | 1 | 77% | Yes |
| 500 | 1 | 70% | No |
| 511 | 1 | 50% | No |
| 527 | 1 | 45% | No |
| 550 | 2 | 24% | No |
| 585 | 2 | 22% | No |
| 450 Pol 1 | 2 | 26% | No |
| C1 Pol 1 | 2 | 27% | No |
| 500 Pol 1 | 2 | 26% | No |
| 511 Pol 1 | 2 | 19% | No |
| 527 Pol 1 | 3 | 12% | No |
| 550 Pol 1 | 3 | 9% | No |
| 585 Pol 1 | 4 | 6% | No |
| 450 Pol 3 | 3 | 13% | No |
| C1 Pol 3 | 3 | 14% | No |
| 500 Pol 3 | 3 | 13% | No |
| 511 Pol 3 | 3 | 8% | No |
| 527 Pol 3 | 4 | 7% | No |
| 550 Pol 3 | 4 | 4% | No |
| 585 Pol 3 | 4 | 3% | No |

