Transitions® Lenses Product Availability Guide

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Grav. Brown. Graphite Green





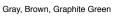






Ruby, Sapphire, Amethyst, Amber, Emerald







Pink, Red, Green, Blue[***]











Olive Green to Copper to Dark Red-Brown



Fully clear indoors



Clear with a hint of protective tint indoors



Clear with a hint of protective tint indoors



Tinted not recommended



Darkens outdoors in seconds[1]



Dark in hot temperatures [3]



Activates in the car[6]



Activates in the car



Blocks 100% UVA & UVB ravs.

Filters up to 32% of blueviolet light indoors and up to 85% outdoors 2[2]



Blocks 100% UVA & UVB

Help protect from UV and filter blue-violet light [4]



Blocks 100% UVA & UVB

Help protect from UV and filter blue-violet light [7]



Blocks 100% UVA & UVB



Returns clear faster than ever



Darkens in the car [5]



Less glare up to 90% Polarization efficiency[8]



Always polarized

Check with your lens supplier for remaining availability for *Transitions*® *GEN* 8™ lenses.

- * The darkest in hot temperatures & in the car, blocking 100% UVA & UVB and offering the best overall blue-violet filtration across light situations* among clear to extra dark photochromic lenses. *Filtering blue-violet (between 400 and 455nm ISO TR 20772:2018) among polycarbonate and CR39 gray lenses with a premium anti-reflective coating: filtering (i) up to 45% indoors at 23° C, (ii) up to 64% behind the windshield, (iii) up to 86% outdoors at 23° C and (iv) up to 83% outdoors at 35° C.
- ** EcoOptics Limited Prof. Nicholas Roberts, Quantitative study evaluating the visual benefits of the polarization properties of lenses compared to similar non-polarized lenses, 2019/2020.
- *** Style Mirrors are available where gray and brown Transitions® XTRActive® are available. Specify Transitions lenses in style mirrors (no substitutions) with your lab to ensure authenticity.
- [1] For polycarbonate & CR39 lenses across colors achieving 18% transmission at 23°C.
- [2] For polycarbonate and CR39 lenses across colors. Blue-violet light ismeasured between 400nm and 455nm (ISO TR 20772:2018)
- [3] Clear to extra dark photochromic category. Polycarbonate and 1.5 gray lenses tested at 35°C achieving <18%T using Transitions Optical's standard testing method
- [4] Transitions® XTRActive® filters up to 45% of blue-violet light indoors and up to 86% of blue-violet light outdoors. Tests performed on gray lenses with a premium anti -reflective coating. Blue-violet light is between 400 and 455nm (ISO TR 20772:2018).
- [5] Clear to extra dark photochromic category. Polycarbonate and 1.5 gray lenses tested at 23°C behind the windshield achieving between 18%T and 43%T.

[6] Based on tests across materials on gray lenses, achieving transmission below 45% @ 23°C behind a standard windshield. The lens achieves a polarization efficiency of 30% behind the standard windshield of the standard windshield.
windshield, which is not classified as being "polarized."

[7] Transitions® XTRActive® Polarized filters up to 45% of blue-violet light indoors and up to 90% of blue-violet light outdoors. Tests performed on gray lenses with a premium antireflective coating.

[8] Based on tests across materials on gray lenses @ 23°C, using ISO 12312-1 standard.

Style Mirrors are available where gray and brown *Transitions*® *XTRActive*® are available. Specify *Transitions* lenses in style mirrors (no substitutions) with your lab to ensure authenticity.

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