

## VISION PRODUCT

### Polycarbonate Lenses



Polycarbonate is a revolutionary material that is thinner and lighter in weight than traditional plastic lenses. The material is more impact resistant, making it the material of choice for children's glasses, sports eyewear and safety glasses. Polycarbonate comes with ultraviolet (UV) protect and scratch resistance. It is available in polarized, transitions, and with non-glare options.

### Anti-reflective Lenses (Crizal)



Crizal anti-reflective lenses provide unsurpassed visual clarity by elimination of the four enemies of clear vision: glare, smudges, dust and scratches. These lenses are composed of several optimized components – a series of layers that reduce glare, a hydrophobic and oleophobic layer that prevents grease and water from sticking to the lens and ensures easy cleaning, an antistatic layer to repel dust, a primer that creates adhesion between the layers and improves impact resistance, and a final hard coating that increases scratch resistance. Crizal lenses allow for better contrast during the day and enhanced vision comfort at night.

### Transitions Lenses (Photochromatic Lenses)



Just like your skin, your eyes need protection from the sun's harmful rays. Transitions lenses, when worn indoors, will be clear just like normal every day lenses. When you step outside in the presence of natural light, the lenses activate and darken automatically. By doing so, they regulate the amount of light reaching your eyes, helping you squint less thereby reducing

fatigue and eye strain. Transitions lenses also block 100% of UVA and UVB rays, decreasing the risk of eye damage.

## Hi Index Lenses



High index lenses are thinner and lighter than the standard plastic lenses, making them more

comfortable and more attractive. The thickness of the lens increases with the amount of prescription. High index lenses bend light more efficiently than conventional plastic lenses and therefore can be made with less material. This less material makes the lens thinner and lighter. High-index lenses are available in a wide variety of refractive indices, typically ranging from 1.53 to 1.74, with the highest indices being used primarily for the strongest prescriptions. A larger prescription should always couple high-index material choices with anti-reflective lenses so that they eliminate reflections from the edges and give a thinner appearance.

## Polarized Lenses



Polarized lenses possess a filter that will eliminate the amount of reflected light that enters the eye. This filter will eliminate the

reflected glare which is most noticeable on water, snow, or concrete and asphalt surfaces.

### How Does Polarization Work?

Light reflected from surfaces like flat road smooth water is generally horizontally polarized. This horizontally polarized light is blocked by vertically oriented polarizer's in the lenses. The result: a reduction in annoying and sometime dangerous glare.