



Introducing

Another first

This is not Poly. nor is it Trivex, this dream lens material Quatrex is quickly setting the new standard in optical lens performance. Benefits include: 1.58 Index, 1.22 Specific Gravity (Light Weight), High Impact Resistance, Abbe Value 48 (Very Clear), Chemical Resistant, 100%UV Protection and edges the same as CR39 with no pungent odors. It’s no wonder that Nova-Quatrex is the dream material.

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| They have combined all best optical property into one outstanding  Hi- Impact lens, which complies with all ansi-z87-1-2003 standards, tested and approved at the Colts lab.  [***(Click)***](http://www.polyoptics.co.th/images/Z-PYO070110-01.pdf) **Material Benefits:** - Clear and Sharp vision for daily comfort uses  - Safe and Strong with high impact resistance  - Excellent for all drill jobs and semi rimless - UV400 protection  - Low specific gravity-1.22 - Thin and Light  **Technical Benefits:** - High Abbe value 48 ( very low distortion) - Easy to tint - Edging process as you would a regular plastic  - Good for drilling to fit rimless frame - No offensive smell  - Hi-tensile strenght[Stock range for Finished Single Vision lens ( Click )](http://www.polyoptics.co.th/images/2hi.pdf)  [( Click )](http://www.polyoptics.co.th/images/Hi-Impact.jpg) | | | | | | | | |
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| **Lens comparisons** |  |  |  |  |  |  |  | |
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**Nova-Quatrex -- Index – 1.58 , Abbe – 48, Specific Gravity – 1.22, UVB- 100% /UVA – 100%**

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| **Material, Plastic** | **Index** | **ABBE** | **Specific Gravity (g/cm3)** | **UVB/ UVA** |
| CR-39 Hard Resin | 1.49 | 59 | 1.31 | 100% / 90% |
| Trivex | 1.53 | 44 | 1.11 | 100% / 100% |
| Spectralite | 1.54 | 47 | 1.21 | 100% / 98% |
| Quatrex | 1.58 | 48 | 1.22 | 100% / 100% |
| Polycarbonate | 1.59 | 30 | 1.20 | 100% / 100% |
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| 1.6 Plastic | 1.60 | 36 | 1.34 | 100% / 100% |
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| 1.67 Plastic | 1.67 | 32 | 1.35 | 100% / 100% |
| 1.70 plastic | 1.70 | 36 | 1.41 | 100% / 100% |
| 1.74 Plastic | 1.74 | 33 | 1.47 | 100% / 100% |

**Product range**

Semi Finished (surfaced): - 10.00 to a + 8.00 up to a -6.00 cyl

Available base curves 0.50, 1.00, 2.00, 4.00, 6.00, & 8.00

Tintable yes

Available coatings SRC & Nova A/R Plus