

PROCESSING GUIDELINES

NuPolar® Trilogy®

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1.53

LAYOUT

- Special alignment holes, notches or ink lines have been provided for identification of the 0-180 axis. Lens must be blocked on the 0-180 axis.

SURFACING / FINING / POLISHING

- It is recommended to process NuPolar Trilogy like other standard Trivex® materials. The stock removal rate will be **similar to standard Trivex products**.
- The target for finished lens minimum thickness should be 1.7mm.

EDGING / GLAZING

- Standard Trivex edging techniques should be utilized on NuPolar Trilogy.
- Ensure proper steps are taken so as not to flex the lens during edging and de-blocking.
- Use edging blocks that best match the base curve of the convex surface.
- If possible use a medium speed or fragile cycle during the edging process which will reduce the edger chuck pressure and feed rate.
- Use care to insure that the lens is edged to the proper size for each frame; over-sized lenses may cause unwanted stress. Stress can be checked in a polariscope on mounted lenses.
- The Bevel should be placed toward the front of the lens; 1.0mm or less from the front to be most cosmetically appealing.

GROOVING

- The polarized film is positioned toward the front surface. Special care should be taken not to locate the groove in this area; place the groove toward the middle/back surface of the lens.
- Plano and low power product should be processed to a minimum 2.2mm edge thickness.
- Avoid over-tightening the liner string.
- Do not over-size the lens.

TINTING

- Tinting should be done with caution not to ruin the polarized layer by tinting too long or at too high of a temperature. Because the polarized layer is cast inside the lens material, you can tint as you would any other Trivex lens, again with caution to avoid over heating the lens.

AR COATING

- NuPolar is compatible with most anti-reflective coatings.

MIRROR COATINGS

- NuPolar is compatible with most mirror coatings.