



HARD RESIN PROCESSING GUIDELINES

INDEX

1.50

LAYOUT

- Special alignment holes have been provided for identification of the 0-180 axis. These round holes correspond to the notches present on our NuPolar® products for axis alignment.

SURFACING/ FINING/ POLISHING

- Drivewear is manufactured from a unique resin formulated to promote the activity level of the visible photochromic dyes. It is recommended to process these lenses like standard hard resin/ CR-39 materials. The stock removal rate will be **similar to standard hard resin products**.
- The target for finished lens minimum thickness should be 2.2mm.

EDGING/ GLAZING

- Standard hard resin edging techniques should be utilized on Drivewear. However, if the edger starts with an aggressive rough cycle, use a more sensitive cycle like high index when edging low minus powers (plano to -1.00).
- Use care to insure that the lens is edged to the proper size for each frame; over-size lenses may chip if forced into the frame.
- A slight front side safety bevel is also recommended.

GROOVING

- The polarized film is positioned about 0.7 mm from the front surface. Special care should be taken not to locate the groove in this area; place the groove toward the back surface of the lens.
- Plano and low power product should be processed to a minimum 2.5 mm edge thickness.
- Avoid over-tightening the liner string.
- Do not over-size the lens.

TINTING

- Tinting is **not** recommended as the product darkens considerably outside. Additional tint will reduce outdoor transmission to possibly dangerous levels.

AR COATING

- Drivewear is compatible with most anti-reflective coatings.

MIRROR COATINGS

- Mirror coatings are not recommended as they will reduce the activity of the photochromic dyes.

MOUNTING

- Avoid snap insert on metal frames.
- Use caution when mounting "cold insert" plastic frames.
- Drill mounts – use same techniques as CR-39 lenses.
- Do not over-tighten into frame. This could cause stress or chipping in the lens.

For updates and more technical details, visit

www.drivewearlens.com

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POLYCARBONATE PROCESSING GUIDELINES

INDEX

1.586

LAYOUT

- Special ink markings have been provided for identification of the 0-180 axis.

These ink lines are similar to markings present on our NuPolar® products.

SURFACING / FINING / POLISHING

- It is recommended to process DriveWear® polycarbonate like our NuPolar® polycarbonate material. The stock removal rate will be **similar to standard polycarbonate products**.
- The target for finished lens minimum thickness should be 1.7mm.

EDGING / GLAZING

- Standard polycarbonate edging techniques should be utilized on Drivewear polycarbonate.
- 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 head pressure and feed rate.
- Use care to insure that the lens is edged to the proper size for each frame; over-size lenses may cause unwanted stress.

TINTING

- Tinting is **not** recommended as the product darkens considerably outside.
- Additional tint will reduce outdoor transmission to possibly dangerous levels.

AR COATING

- Drivewear polycarbonate is compatible with most anti-reflective coatings.

MIRROR COATINGS

- Mirror coatings are not recommended as they will reduce the activity of the photochromic dyes.

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