



## Material

- Composite 67 Hi-Index
- $n_d=1.660$
- Abbe 31
- Specific Gravity 1.36 <sup>g/ccm</sup>
- 100% UV-A and UV-B Absorption

## Processing Tips

- 1 The front component of atLast! Composite 67 lenses is a Trivex (1.53 index) including a power gradient which is comprised of a non-rotationally symmetric aspheric design. The back component is a 1.67 index plastic (MR10) containing a 28mm round segment.
- 2 The atLast! Composite 67 lens should always be processed as a 1.67 product. The use of surface saver tape is necessary and double-taping is recommended. Please wait 30 minutes after surface blocking with alloy before generating. Wax blocking, because of support and stabilization concerns, is not as preferable as alloy but can be used and should be cooled at least 20 minutes before generating.
- 3 When generating, a wet process is preferred, with a coolant temperature of 50°F. A dry generating process with a 1.67 (slower macro) setting may also be used.
- 4 The front component of the atLast! Composite 67 lens is approximately 0.7mm thick and PixelOptics recommends that the minimum center thickness be set at 1.7mm and on a rimless groove the minimum edge thickness be set at 2.5mm.
- 5 In order to best stabilize the material, fining and polishing of atLast! Composite 67 lenses should conform to 1.67 standards with the temperatures of the fluids from 45° to 50°F.
- 6 In order to avoid any interference presented by the top of the segment the power should be verified 8mm to 10mm above the segment apex or 6mm to 8mm above the prism reference point (PRP).
- 7 The prism should be verified at the prism reference point (PRP) which is 2mm above the apex of the embedded segment line and halfway between the lens's engravings.
- 8 When grooving atLast! Composite 67 lenses the blade should be positioned 0.9mm from the front surface of the lens. Should the blade groove the area where the two components join, the integrity of the lens will not be compromised but there will be a noticeable change in the appearance of the grooved channel.
- 9 When drilling the atLast! Composite 67 lenses the drill bit must be sharp and care must be taken to not 'punch' through the back layer. Chamfering both sides of each drill hole is recommended.
- 10 Safety beveling the front and back side of the atLast! Composite 67 lenses is recommended.
- 11 atLast! Composite 67 lenses are manufactured with a non-tintable, scratch resistant hard coating. In order to tint the atLast! Composite 67 lenses a tintable back side spin coating must be applied. Tints mixed with deionized water and heated to 200°F are recommended.



**Power and Prism Verification Notes:**

- 1 With a manual or automatic lensometer, distance power of the atLast! Composite lenses should be verified at a distance 6mm to 8mm above the prism reference point (PRP).
- 2 The near power of the atLast! Composite lenses should be measured at segment center.
- 3 The prism of the lens should be checked at the prism reference point (PRP).

**Hard Coating**

atLast! Composite 67 semi-finished lens blanks feature a front-surface, factory-applied scratch resistant, hard coating. This hard coating is non-tintable. If an atLast! Composite 67 lens is to be tinted, a tintable back side spin coating must be applied.

**www.atlastlens.com • 888-749-3567**

**U.S. Patent No. 7,475,985. Other US and Foreign Patents Pending.**

©2009 PixelOptics. All rights reserved. Trivex® is a registered trademark of PPG Industries  
atLast!® is a registered trademark and PixelOptics™ is a trademark of PixelOptics Inc., Roanoke, VA. #0000000000

