EASTMAN

The **right materials** for your glasses. The **right company** for your vision.

Bringing ophthalmic opportunities into focus

Eastman can provide a total-solution resource for ophthalmic manufacturers and designers. The Eastman ophthalmic portfolio includes expertise and capabilities to address ophthalmic opportunities in:

End use

- Unique aesthetics
- Functional benefits
- Wearer comfort

Manufacturing

- Extrusion
- Wet/dry block
- Injection molding

Keeping an eye on market needs

The Eastman ophthalmic portfolio offers a range of advanced materials so you can select an application-matched solution. All provide a premium feel and wearer comfort plus unique properties to improve fitness for use.

DESIRED APPLICATIONS

Product	Prescription glasses	Fashion sunglasses	Children's glasses	Reading glasses
Cellulosic acetate	●	●		●
Tenite™ CAP	●	●		
Eastman Trēva™ engineering bioplastic	●			●
Eastman Tritan™ copolyester		●	●	●

Selecting the most effective ophthalmic material

Based on your unique situation, Eastman can help you select the material that helps you achieve your aesthetic, functional, and processing efficiency goals. Then, Eastman can help you tune certain properties to provide the best results.

All provide excellent chemical resistance and impact strength for applications that involve frequent exposure to sunscreens, body oils, and daily wear.

CELLULOSIC ACETATE

- Cellulosic acetate—the standard for machined acetate frames—can be manufactured into comfortable frames with a warm touch and exceptional chemical resistance.
- Frames made with cellulosic acetate are known for unmatched quality as well as rich colors and visual effects, including unique eye-catching tortoise shell designs.
- Cellulosic acetate provides unparalleled design freedom with color patterning.

EASTMAN TRĒVA™ ENGINEERING BIOPLASTIC

- Trēva combines warm feel and touch with superior dimensional stability.
- Superior flow characteristics of Trēva promote greater design freedom for injection molded parts.
- Trēva has demonstrated processing ease when polished or coated.
- It is a hypoallergenic material with a stiffer modulus than other Eastman ophthalmic materials.
- Trēva recently earned the USDA Certified Biobased Product Label from the United States Department of Agriculture's BioPreferred® program.

EASTMAN TRITAN™ COPOLYESTER

FRAMES

- Tritan offers a premium quality option for comfortable, durable, and beautiful injection molded frames.
- The excellent clarity of Tritan enables a wide range of transparent or gradient color designs.
- Superior tinting ability enabling customized color, including tortoise shell effect similar to extrusion cellulosic acetate.
- Unmatched combination of chemical resistance and impact strength

LENSES

- Tritan combines superior clarity and optics for durable, shatterproof lenses.
- Outstanding durability allows compatibility with hole-drill design.
- Lenses made of Tritan are compatible with cellulosic acetate frames.

Keeping pace with a complex global marketplace

The need is greater than ever to work with a global supplier that has a diverse offering of technologies, industry and regulatory experience, material and application expertise, and a track record for reliability and innovation.

Eastman is dedicated to providing ophthalmic manufacturers and designers with a wide range of solutions to fulfill their vision and keep pace with rapidly changing market needs.

By providing a total-solutions capability, Eastman can start with customer needs then match a polymer and provide technical, design, and marketing support to help ensure success with extrusion, injection molded, or wet/dry block processes.

Eastman provides strong market access and knowledge throughout the value chain.

Eastman has more than 80 years of experience in ophthalmics—and continues to innovate by recently adding Tritan VX and Trēva to help customers meet the market's changing needs.

For more information, visit eastman.com/ophthalmics.

EASTMAN

The results of **insight**™

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