



# Trivex®

Originally created by the U.S. military for use in its most sophisticated helicopters and airplane cockpits, Trivex® was adapted for ophthalmic application by PPG Industries in 2001. Named for its three distinctive qualities – exceptional optical performance, high impact resistance and ultra-light weight – Trivex® has set a new standard for impact resistant lens materials.



## Multiple Benefits in One Tough Lens

Trivex® material combines many high-performance properties to deliver an exceptionally versatile lens material.

Extra high Abbe value for clearer vision

Outstanding impact resistance – comparable to polycarbonate

Ultra lightweight material for maximum wearer

comfort 100% UV protection for healthier eyes

Internally stress-free for greater durability and ease

of usage Resistance to common chemicals for greater protection of the lens wearer's investment.

## Higher Abbe Value = Clearer Vision

Color or chromatic aberration in lenses results from low Abbe values, and is experienced by patients as color blurring around objects and reduced clarity of vision. Lens materials with higher Abbe values help eliminate chromatic aberration.

With its higher Abbe value, Trivex® is the lens material of choice for eye care professionals who want to give their patients the clearest vision possible..

MATERIAL:

**Trivex®**

APPROX. ABBE VALUE:

**43-45**

MATERIAL:

**Polycarbonate**

APPROX. ABBE VALUE:

**28-30**

MATERIAL:

**High Index®**

APPROX. ABBE VALUE:

**30-34**

## Outstanding Impact Resistance = Wearer Protection

Lenses made from Trivex® are among the most impact resistant lenses available and pass the most rigorous optical industry standard for impact resistant eyewear: FDA ANSI Z87.1.

Wearers can feel safe because their lenses are practically indestructible and their eyes are well protected in sudden-impact circumstances.

## Ultra Lightweight = Increased Wearer Comfort

Lenses made from Trivex® are ultra lightweight, with a density of just 1.11 – 10% lighter than polycarbonate. So wearers experience maximum comfort with less pressure on the bridge of their nose and ears.

## 100% UV Protection = Healthier Eyes

The American Optometric Association (AOA) recognized Trivex material as the first lens material to meet the requirements of the organization's Seal of Acceptance for Ultraviolet Absorbers/Blockers.

Trivex material provides 100% protection from harmful UVA and UVB rays, making it ideal for children and active adults who regularly spend time outdoors.

## Internally Stress-Free = Ideal for Rimless Frames

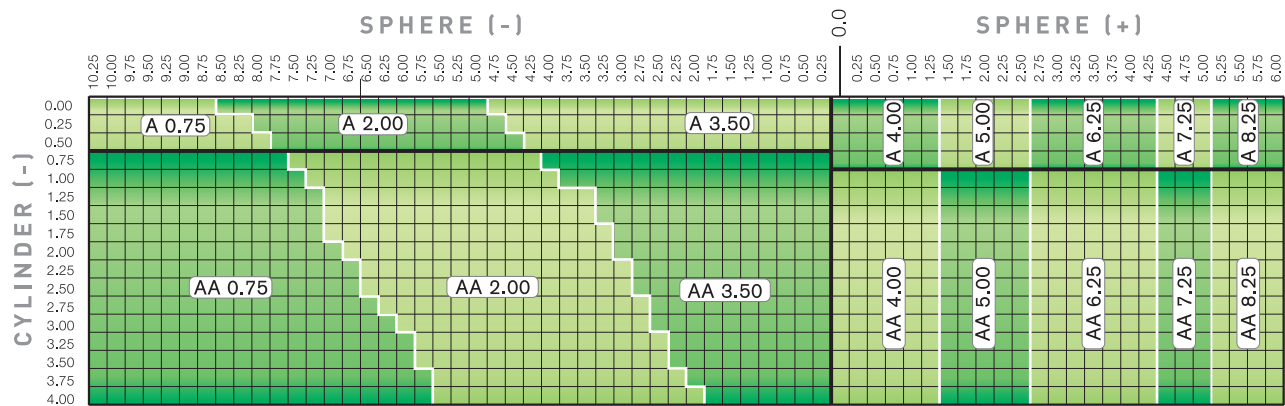
Internal stress can promote lens breakage and create a double refraction phenomenon, which can also blur vision. Unlike polycarbonate, Trivex material does not carry internal stress and is less likely to break under pressure, making it ideal for use in today's fashionable rimless frames, which often require a moderate to high level of stress on the lens itself.

## Chemically Resistant = Greater Protection of Lens Investment

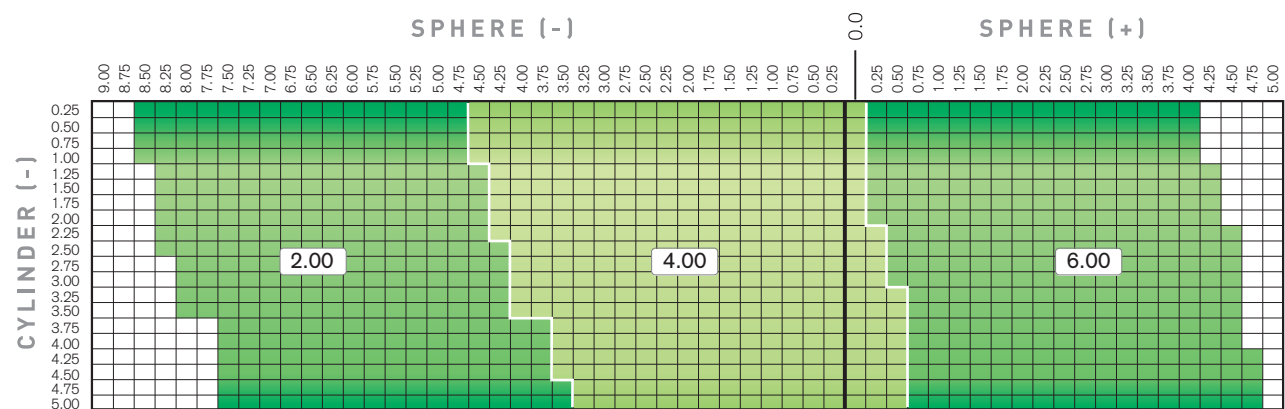
Unlike polycarbonate, Trivex material is unaffected by moderate exposure to commonly used household chemicals and optical solvents such as alcohol and acetone. So you can work with lenses made from Trivex with confidence, knowing it's easy to protect your customer's investment.

# Trivex® Base Selection Chart

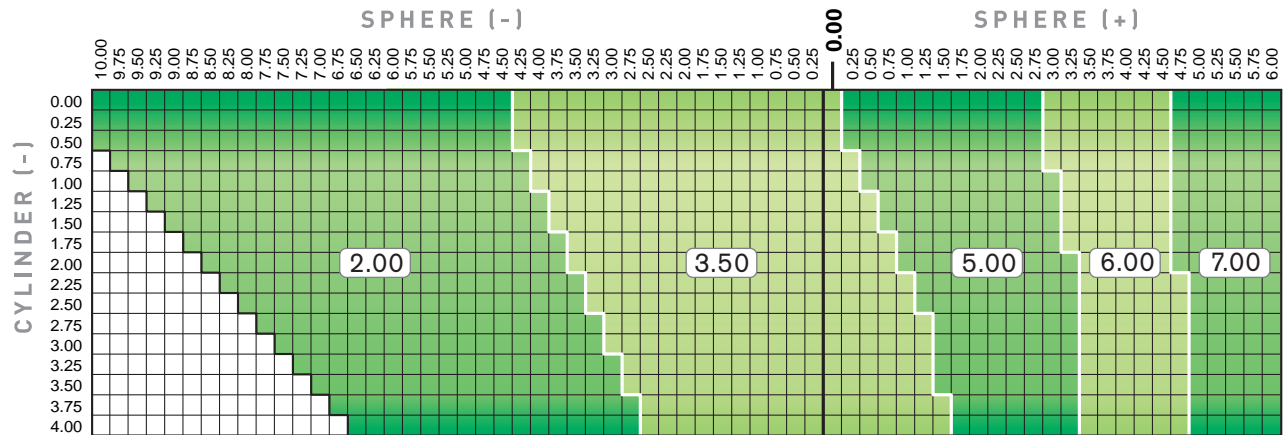
For Centurion™ Aspheric Single Vision  
& Centurion™ Double Aspheric Semi-Finished Lens Blanks



# Augen Flat-Top 28 Semi-Finished Trivex® Base Selection Chart

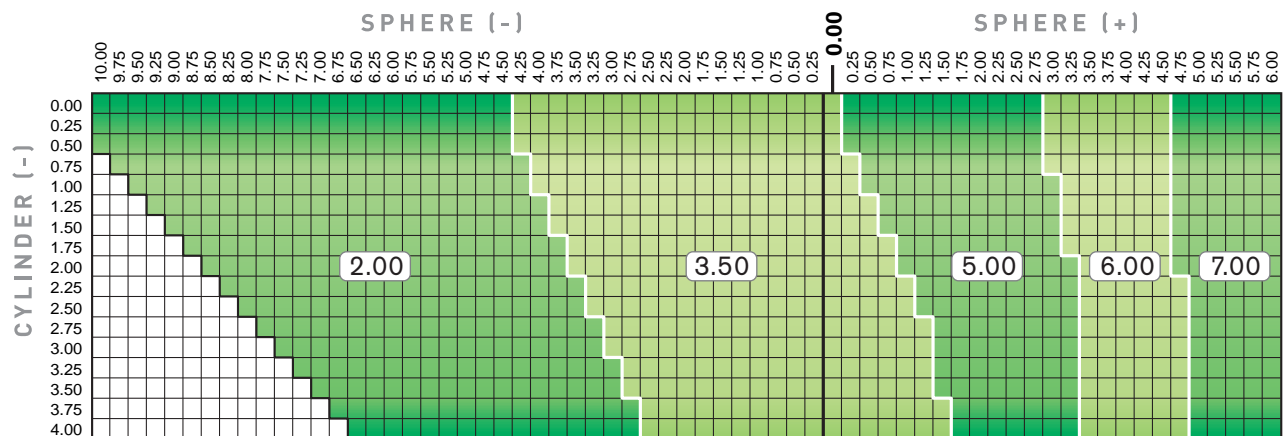


# Progressive Short Corridor Semi Finished Trivex® Base Selection Chart



Choose the same base for both eyes. Always toward the center line. UV Filter.

# Progressive Semi Finished Trivex® Base Selection Chart



Choose the same base for both eyes. Always toward the center line. UV Filter.



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HIGH DEFINITION LENSES™

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