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TRIVEX

Trivex is a relative newcomer that possesses the UV blocking properties and shatter resistance of poly while at the same time offering far superior optical quality (high ABBE value) and a slightly lower density. Its lower refractive index of 1.532 vs. poly 1.586, however, may result in a slightly thicker lense. Along with poly and the various hi index, trivex is a lab favorite for use in drill frames, due to the ease with which it can be drilled as well as its resistance to cracking around the drill holes. One other advantage that trivex has over poly is that it can be easily tinted.

PROS:

- Lightest lens available
- Highly impact resistant
- UV protection
- Excellent choice for drill mounts

CONS:

- Lens availability is limited
- Slightly higher in cost than poly

Material	Index	ABBE	Specific Gravity	UVB/ UVA
Plastic	1.50	58	1.32	100% 90%
Poly	1.58	30	1.20	100% 100%
Trivex	1.53	44	1.11	100% 100%
1.60 (MR-8)	1.60	41	1.30	100% 100%
1.60 (MR-6)	1.60	36	1.34	100% 100%
1.67 (MR-7)	1.67	32	1.35	100% 100%
1.67 (MR-10)	1.67	32	1.37	100% 100%
1.70	1.70	36	1.41	100% 100%
1.74	1.74	33	1.47	100% 100%