



**...the material you choose is a primary factor in the quality of vision, number of aberrations and clarity within the lens?**

At Essilor, every batch of resin used to produce lenses must pass stringent quality control measures. Each lot is inspected and there are no compromises and no off-the-shelf resin. You can be sure that every Essilor lens has passed the most demanding requirements for strength, clarity, and cleanliness.

Material	Refractive Index	ABBE Value	Specific Gravity	Benefits	Transitions® lenses	Crizal® lenses
Thin&Lite® 1.74 High Index	1.74	33	1.47	<ul style="list-style-type: none"> <li>Technologically advanced, ultra thin and light weight</li> <li>Anti-reflective technology systematically included to create the most cosmetically appealing lens</li> <li>Only 1.74 index available with Varilux designs</li> <li>Recently approved by VSP</li> <li>100% UVA and UVB protection</li> </ul>		✓
Thin&Lite 1.67 High Index	1.67	32	1.35	<ul style="list-style-type: none"> <li>High tensile strength make it great for drill/rimless frames</li> <li>Great for patients with higher prescriptions</li> <li>Only 1.67 index available with Varilux designs</li> <li>100% UVA and UVB protection</li> </ul>	✓	✓
Thin&Lite 1.60 High Index	1.60	41	1.30	<ul style="list-style-type: none"> <li>High tensile strength makes it great for drill/rimless frames</li> <li>Up to 30% thinner and 20% lighter than standard plastic lenses</li> <li>New and improved material offers all the benefits of high index at an affordable price</li> <li>100% UVA and UVB protection</li> </ul>	✓	✓
Airwear® Lenses Polycarbonate	1.59	31	1.20	<ul style="list-style-type: none"> <li>43% lighter and significantly flatter than 1.50 index standard plastic</li> <li>10 times more impact resistant than 1.50 index standard plastic</li> <li>Good choice for sunglass lenses due to its tintability</li> <li>FDA suggests all children under the age of 16 be prescribed polycarbonate lenses for safety</li> <li>100% UVA and UVB protection</li> </ul>	✓	✓
Trivex® Material	1.53	44	1.11	<ul style="list-style-type: none"> <li>High tensile strength makes it great for drill/rimless frames</li> <li>Low specific gravity, high impact resistance</li> <li>100% UVA and UVB protection</li> </ul>	✓	✓
Plastic	1.50	58	1.32	<ul style="list-style-type: none"> <li>Lightweight compared to glass, works well for low to mid Rx</li> <li>Good choice for sunglass lenses due to its tintability</li> <li>Inexpensive material but heavier than others</li> <li>Less cosmetically appealing</li> </ul>	✓	✓

# WHICH MATERIAL BEST FITS YOUR LIFESTYLE?

Your Eyeglass Rx

Lens Material

Thin&Lite® 1.74

High Index

Thin&Lite 1.67

High Index

Airwear®  
Polycarbonate

1.50 Index

Plastic

-6.00

-3.00

Wt 16.0g -30% ET 5.5mm -40%

Wt 11.0g -31% ET 3.3mm -42%

Wt 17.0g -26% ET 6.2mm -33%

Wt 11.0g -31% ET 3.8mm -33%

Wt 16.0g -30% ET 6.8mm -26%

Wt 11.0g -31% ET 4.3mm -25%

Wt 23.0g ET 9.2mm

Wt 16.0g ET 5.7mm

+5.00

+3.00

Wt 10.0g -29% CT 3.8mm -38%

Wt 8.0g -20% CT 2.6mm -33%

Wt 11.0g -21% CT 4.3mm -29%

Wt 8.0g -20% CT 3.0mm -23%

Wt 11.0g -21% CT 4.9mm -20%

Wt 9.0g -10% CT 3.6mm -8%

Wt 14.0g CT 6.1mm

Wt 10.0g CT 3.9mm

Parameters are:

Weight (Wt)

Center Thickness for + lenses (CT)

Edge Thickness for - lenses (ET)

Data (weight, center and edge thickness) is based on lenses cut at 65mm.