



How To Make Your Lenses Thin

1. First and foremost is the selection of the right frame. There is *nothing* else you can do that will thin out your lenses as much as choosing the proper frame.
Big means thick! If you select large frames, you get thick lenses.
Round frame shapes will produce thinner lenses than frames that have corners which cause long diagonal measurements for the lenses.
The thickness of lenses is also directly related to the weight of the glasses on your face: bigger is thicker is heavier.
Far and away, the most important idea in making lenses thin (and light) is to pick out the proper size of frame.
2. The second way you can reduce the thickness of your lenses is to use special "high index" lens materials. These materials are available in plastic, polycarbonate, and glass.
"High index" lenses bend light more, so that flatter, thinner curves can be used; this results in thinner lenses.
However, "high index" lenses by themselves only make the lenses 10 to 20% thinner than they would have been. Go to a larger size of frame and you may have cancelled out the advantage of "high index" lenses. Also remember that the more power you have in your lenses, the thicker your lenses will be.
3. The third way to make thinner lenses is to use aspheric lenses. Most lenses today the surface of a sphere on the front of the lenses. The curves on the front of aspheric (a-spherical means "not spherical") lenses change and become flatter than a sphere, providing both thinner lenses and superior vision through the edges of your lenses.

CAUTION: People sometimes purchase "high index" or aspheric lenses and at the same time they buy a larger frame; and then are disappointed because their lenses wind up thicker than their old lenses.

"High index" or aspheric lenses are no substitute for an appropriate size and shape of frame.

We at Empire Optical would be glad to discuss with you which combination of frame, "high index" lenses, or aspheric lenses, would give you what you are looking for.