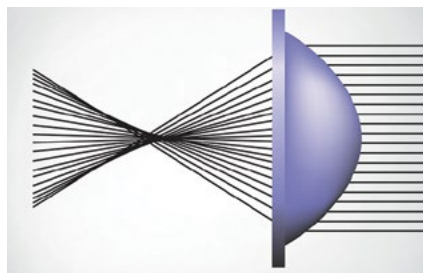
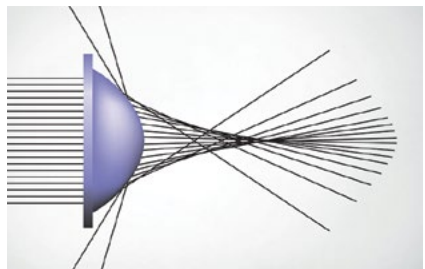


Aspheric lenses

Aspheric, or non-spherical lenses, are commonly used in imaging optics. Unlike Total Internal Reflection style lenses, this Aspheric optic is designed so the incident light strikes the surfaces at an angle that is less than the critical angle; light will pass from the lens into the air but is bent at the interfaces. By accurately shaping the curve on one side and maintaining a flat surface on the other, this lens will focus incoming light, similar to a magnifying glass.

Points to note:

- The flat back (no sink) is hard to achieve in plastic. Unlike plastics, it is easy to mold variable (thick and thin) cross-sectional regions with silicone.
- Tight tolerance control, and the high polish give sharp focus.
- Lens focuses light ray into a point, and can be used to start a fire as a magnifying glass does.
- Moldable optical silicones enable fine detail in the writing on the rim.



Learn more

We bring more than just an industry-leading portfolio of advanced silicone-based materials. As your dedicated innovation leader, we bring proven process and application expertise, a network of technical experts, a reliable global supply base and world-class customer service.

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