

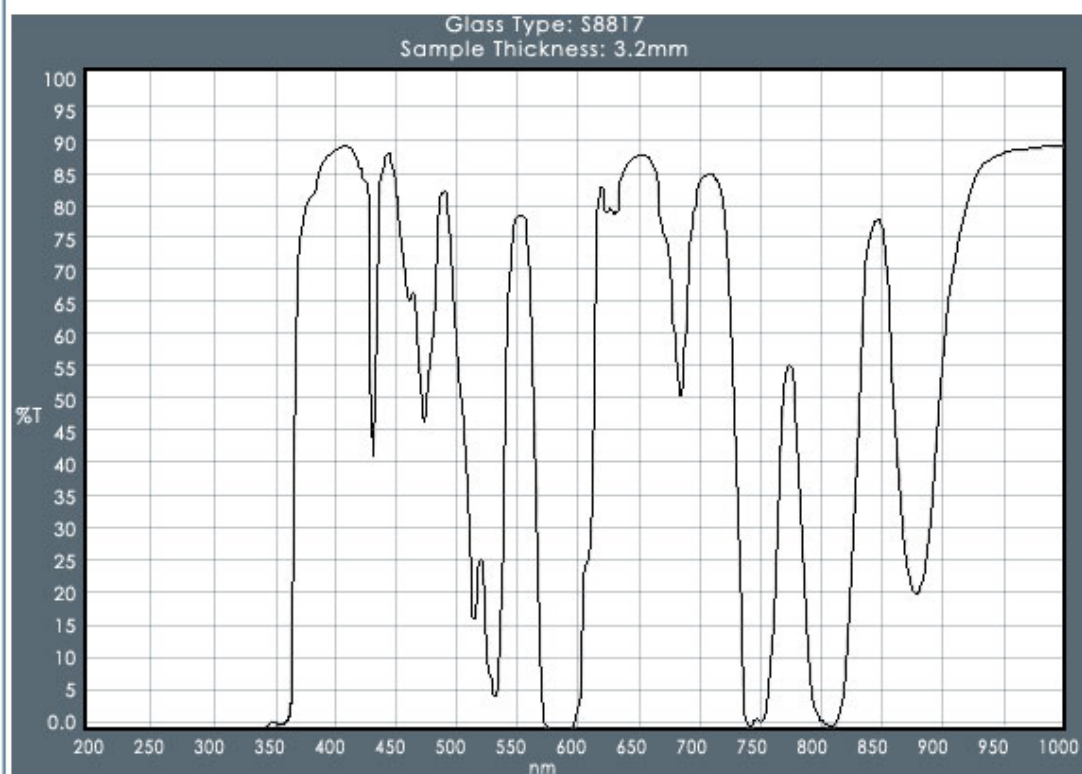


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Contrast Enhancement Glass (ACE) (Phillips 202) or (S-8817) TECHNICAL DATA

Schott Glass Technologies has developed a new contrast enhancement glass for spectacle lenses. The new material, called ACE, short for Amethyst Contrast Enhancer, utilizes rare earth oxides in the glass composition to achieve the unique color enhancing characteristics. Basically, the color enhancement concept works by selectively positioning transmission in the blue, green, and red spectral regions whereby one can improve the color discrimination between different color objects. These are the same colors used to produce a color television picture. They optimize the readability of such displays under high ambient light conditions. Phillips-202 Glass utilizes rare earth oxides in its composition to provide the same filtration. This glass is very efficient in filtering sodium flare in addition to providing ultraviolet protection to 390 nm. The Phillips202 (ACE) is becoming a preferable choice of hot glass workers. It is very comfortable for viewing under high ambient light conditions such as when working with hot glass or glowing heat sources for a duration of time. Also, although it has a relatively low luminous transmission of 38%, it is not recommended for sun protection use unless UV filtering coatings are applied.



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