

# Mylar®

polyester film

## Optical Properties

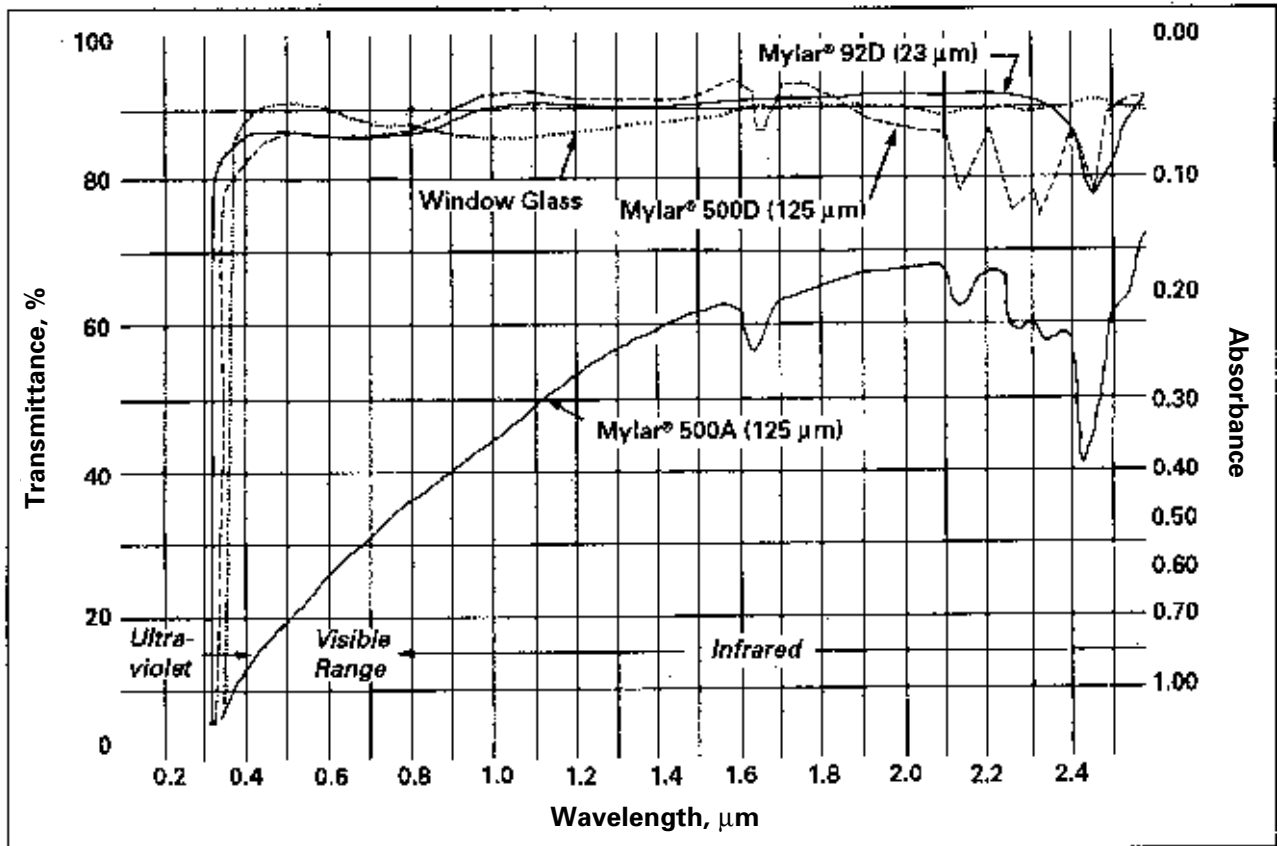
### Transmission of Radiation

Type D Mylar® polyester film transmits light very similar to window glass throughout the absorption spectrum at low wavelengths as shown in **Figure 1**. **Figure 2** illustrates substantial difference at high wavelengths. Type A Mylar® transmits much less radiation due to its light-scattering characteristic (as shown in **Figure 1** for a film having a 54% haze).

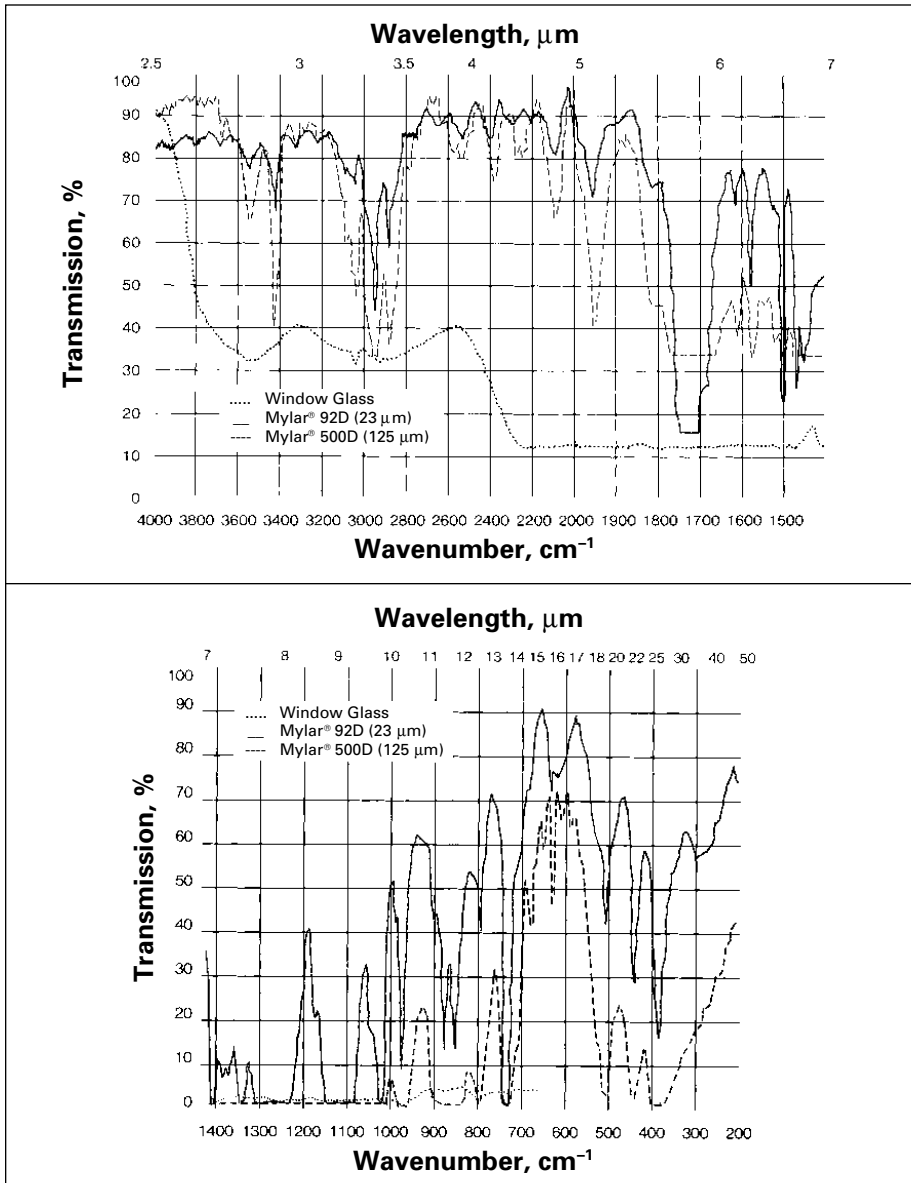
### Refractive Index

The refractive index of Mylar® polyester films is between 1.640 and 1.670.

Figure 1. Absorption Spectrum for Mylar® (Low Range)



**Figure 2. Absorption Spectrum for Mylar® (High Ranges)**



These values are typical performance data for Mylar® polyester film; they are not intended to be used as design data. We believe this information is the best currently available on the subject. It is offered as a possible helpful suggestion in experimentation you may care to undertake along these lines. It is subject to revision as additional knowledge and experience is gained. DuPont Teijin Films makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. This publication is not a license to operate under, or intended to suggest infringement of, any existing patents.

**CAUTION:** Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see "DuPont Teijin Films Medical Caution Statement," H-50102-1-DTF.

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**Mylar®**  
 Only by DuPont Teijin Films