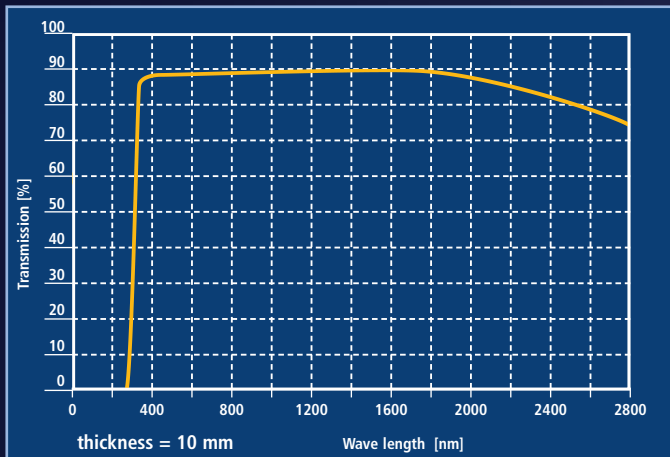


# GLASS MATERIAL TYPES

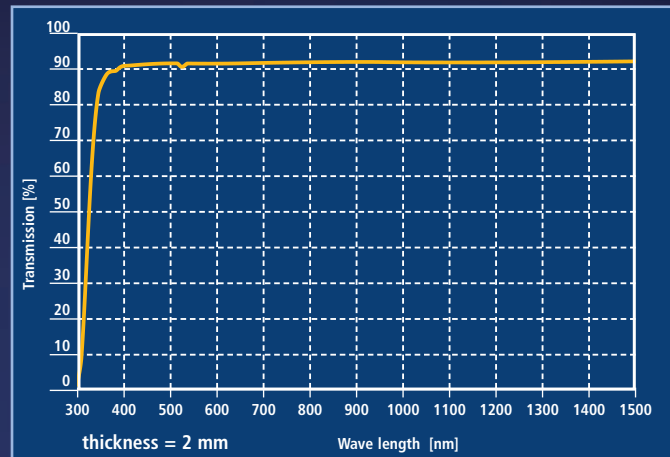
## TRANSMISSION

### Schott F2



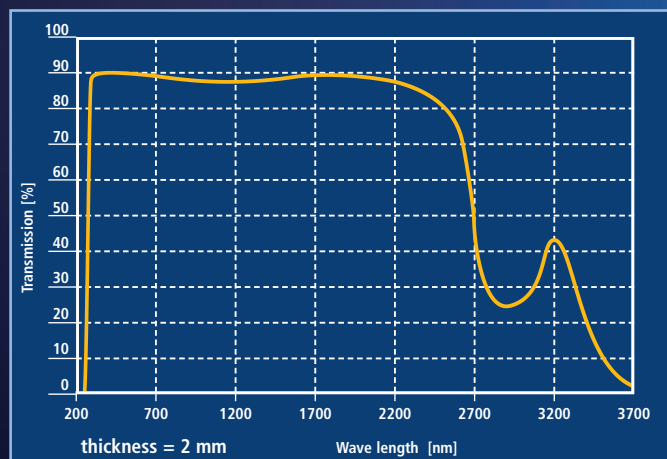
Refraction Index:  $n_d = 1.6200$   
Abbe Number:  $v_d = 36.37$   
Median Coefficient of thermal Expansion:  $\alpha_{(20...300^\circ\text{C})} = 9.2 \times 10^{-6} / \text{K}$   
Density:  $\rho = 3.61 \text{ g/cm}^3$

### Docter Optics Doctan®



Refraction Index:  $n_d = 1.5221$   
Abbe Number:  $v_d = 55.47$   
Median Coefficient of thermal Expansion:  $\alpha_{(20...300^\circ\text{C})} = 9.52 \times 10^{-6} / \text{K}$   
Density:  $\rho = 2.52 \text{ g/cm}^3$

### Borosilicate Glass 3.3



Refraction Index:  $n_d = 1.473$   
Abbe Number:  $v_d = 65,41$   
Median Coefficient of thermal Expansion:  $\alpha_{(20...300^\circ\text{C})} = 3.3 \times 10^{-6} / \text{K}$   
Density:  $\rho = 2.23 \text{ g/cm}^3$