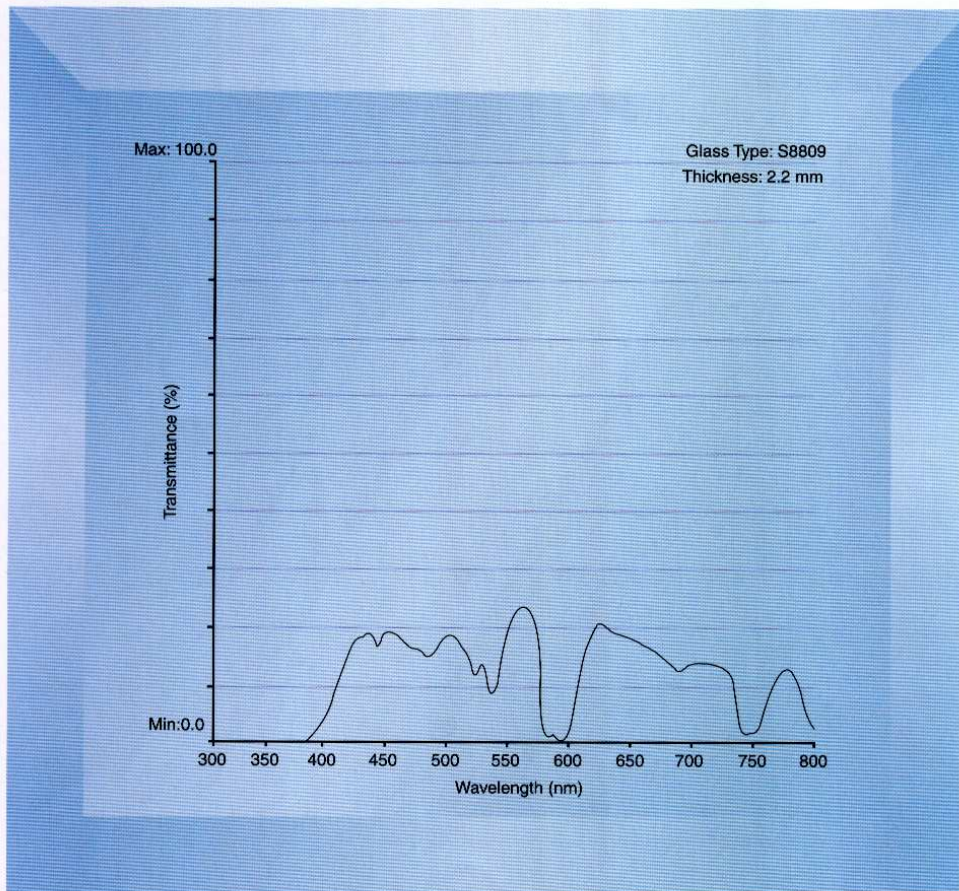


Contrast Enhancement Filter S8809

S8809

Name	Color	Most Common Use
S8809	Blue-Gray	Full-Color Displays Avionics Data/Information Industrial



SCHOTT
glass made of ideas

Contrast Enhancement Filter S8809

Color and Transmittance Data

Common Application	full-color
x = ¹⁾	0.2180
y = ¹⁾	0.4260
Y = ¹⁾	15.2
Transmission (%)	440nm=19.6±3.3 550nm=23.4±3.2 620nm=22.9±2.7
Half bandwidth (nm)	—
Transmission at Peak (%)	—
Reference Thickness (mm)	2.2
Color	blue-gray

Optical and Physical Properties

Refractive Index (n _D) ²⁾	1.574
Reflection Factor (P _D) ³⁾	0.91
Density (g/cm ³)	2.91
Transformation Temperature Tg(°C)	459
Working Point (C°)	799
Softening Point (C°)	594
Annealing Point (C°)	472
Strain Point (C°)	453
Thermal Coefficient of Expansion ^α _{20-300°C} (10 ⁻⁷ /°C)	119

¹⁾ Illuminant 3200K

²⁾ Sodium @ 589.3 nm

³⁾ $P = \frac{2n}{n^2+1}$