

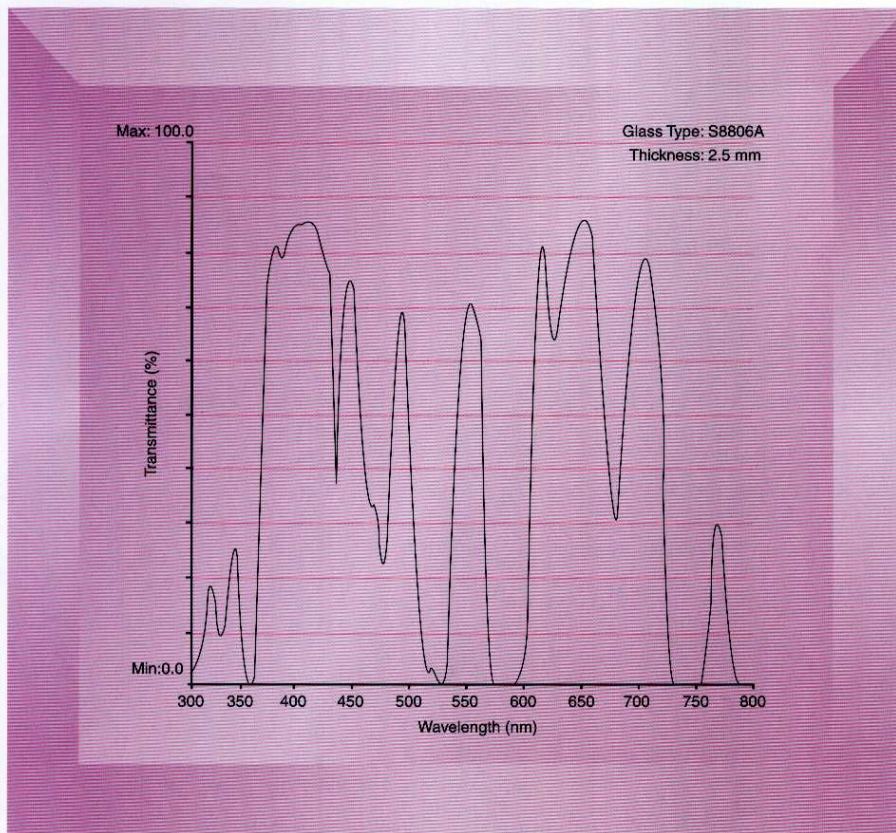
Contrast Enhancement Filter S8806A

Name
S8806A

Color
Violet

Most Common Use
Full-Color Displays
Automotive
Avionics
Commercial
Data/Information
Industrial

S8806A



SCHOTT
glass made of ideas

Contrast Enhancement Filter

S8806A

Color and Transmittance Data

Common Application	full-color
x = ¹⁾	0.3059
y = ¹⁾	0.2394
Y = ¹⁾	31.0
Transmission (%)	T@445nm>62.0%
	550nm>67.0%
	580nm=0.2 ± 0.2%
	618nm=79.3 ± 3.0%
Half bandwidth (nm)	—
Transmission at Peak (%)	—
Reference Thickness (mm)	2.5
Color	violet

Optical and Physical Properties

Refractive Index (n _D) ²⁾	1.688
Reflection Factor (P _D) ³⁾	0.88
Density (g/cm ³)	3.50
Transformation Temperature Tg(°C)	645
Working Point (C°)	804
Softening Point (C°)	734
Annealing Point (C°)	651
Strain Point (C°)	635
Thermal Coefficient of Expansion $\alpha_{20-300^{\circ}\text{C}}$ (10 ⁻⁷ /°C)	72

¹⁾ Illuminant C

²⁾ Sodium @ 589.3nm

³⁾ $P = \frac{2n}{n^2+1}$