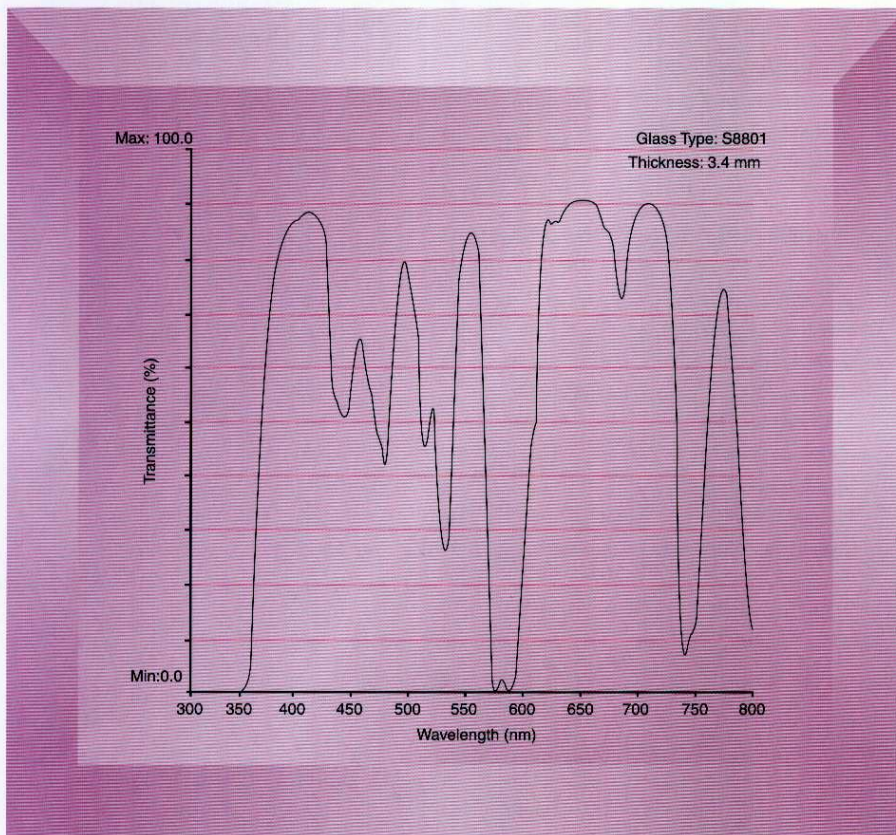


Contrast Enhancement Filter S8801

Name	Color	Most Common Use
S8801	Violet	Full-Color Displays Avionics Automotive Photographic Imaging



SCHOTT
glass made of ideas

S8801

Contrast Enhancement Filter S8801

Color and Transmittance Data

Common Application	full-color
x = ¹⁾	0.3040
y = ¹⁾	0.2910
Y = ¹⁾	48.8
Transmission (%)	T@445nm=53.0 ± 2.5% 555nm=83.0 ± 3.5% 630nm=87.0 ± 3.5%
Half bandwidth (nm)	–
Transmission at Peak (%)	–
Reference Thickness (mm)	3.4
Color	violet

Optical and Physical Properties

Refractive Index (n _D) ²⁾	1.523
Reflection Factor (P _D) ³⁾	0.92
Density (g/cm ³)	2.64
Transformation Temperature Tg(°C)	538
Working Point (C°)	1033
Softening Point (C°)	740
Annealing Point (C°)	557
Strain Point (C°)	527
Thermal Coefficient of Expansion $\alpha_{20-300^{\circ}\text{C}}$ (10 ⁻⁷ /°C)	91

¹⁾ Illuminant C

²⁾ Sodium @ 589.3nm

³⁾ $P = \frac{2n}{n^2+1}$