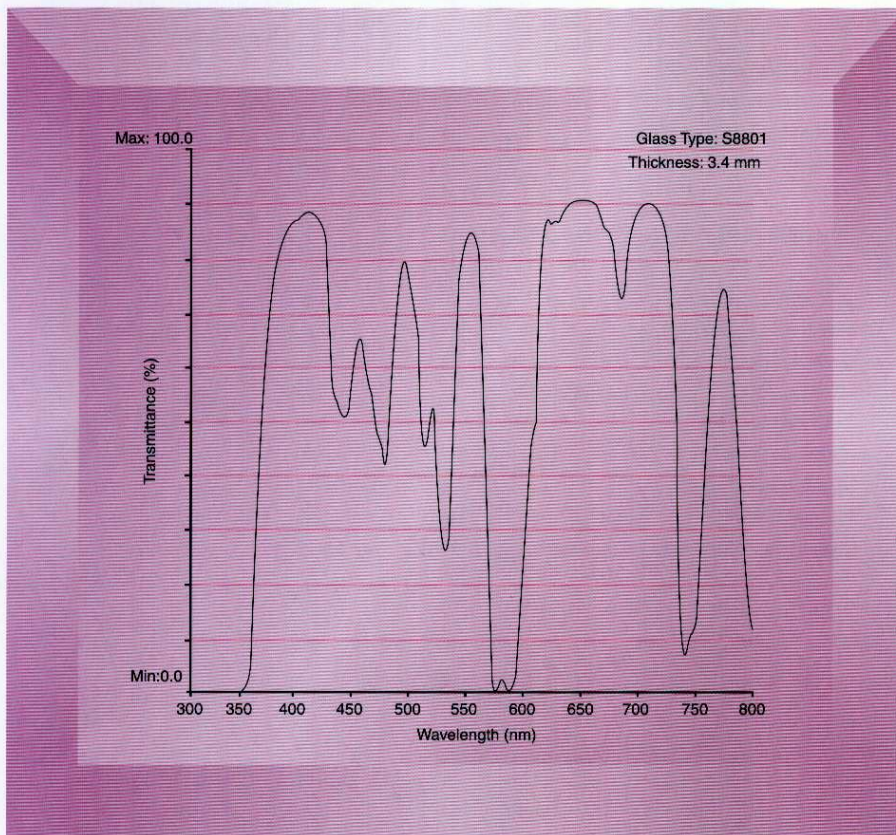


# Contrast Enhancement Filter S8801

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 = <sup>1)</sup>	0.3040
y = <sup>1)</sup>	0.2910
Y = <sup>1)</sup>	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 <sub>D</sub> ) <sup>2)</sup>	1.523
Reflection Factor (P <sub>D</sub> ) <sup>3)</sup>	0.92
Density (g/cm <sup>3</sup> )	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 <sup>-7</sup> /°C)	91

<sup>1)</sup> Illuminant C

<sup>2)</sup> Sodium @ 589.3nm

<sup>3)</sup>  $P = \frac{2n}{n^2+1}$