

## Schott S8809 Contrast Enhancement Filter

Category : Ceramic , Glass , Filter

### Material Notes:

Contrast Enhancement Filter Information Provided by SCHOTT North America, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Schott-S8809-Contrast-Enhancement-Filter.php](http://www.lookpolymers.com/polymer_Schott-S8809-Contrast-Enhancement-Filter.php)

Physical Properties	Metric	English	Comments
Density	2.91 g/cc	0.105 lb/in <sup>3</sup>	

Thermal Properties	Metric	English	Comments
CTE, linear	11.9 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	6.61 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	459 $\text{Å}^\circ\text{C}$	858 $\text{Å}^\circ\text{F}$	
Softening Point	594 $\text{Å}^\circ\text{C}$	1100 $\text{Å}^\circ\text{F}$	
Working Point	799 $\text{Å}^\circ\text{C}$	1470 $\text{Å}^\circ\text{F}$	
Annealing Point	472 $\text{Å}^\circ\text{C}$	882 $\text{Å}^\circ\text{F}$	
Strain Point	453 $\text{Å}^\circ\text{C}$	847 $\text{Å}^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.574	1.574	$n_{\text{D}}$ , Sodium
Transmission, Visible	22.9 %	22.9 %	
	@Wavelength 440 nm	@Wavelength 440 nm	
	25.6 %	25.6 %	
	@Wavelength 620 nm	@Wavelength 620 nm	
	26.6 %	26.6 %	
	@Wavelength 550 nm	@Wavelength 550 nm	

Descriptive Properties	Value	Comments
Color	Blue-gray	

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