

## Schott NG11 Neutral Density Filter

Category : Ceramic , Glass , Optical , Filter

### Material Notes:

Ionically colored glass. Data provided by the manufacturer, Schott Glas Mainz..Similar glasses include NG3, NG4, NG5, NG9, NG10, NG1, NG12

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Schott-NG11-Neutral-Density-Filter.php](http://www.lookpolymers.com/polymer_Schott-NG11-Neutral-Density-Filter.php)

Physical Properties	Metric	English	Comments
Density	2.42 g/cc	0.0874 lb/in <sup>3</sup>	

Thermal Properties	Metric	English	Comments
CTE, linear	6.90 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.83 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
	7.50 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	4.17 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	473 $\text{Å}^\circ\text{C}$	883 $\text{Å}^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.49	1.49	Hg
	@Wavelength 1014 nm	@Wavelength 1014 nm	
	1.50	1.50	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
	1.51	1.51	Hg
	@Wavelength 404.7 nm	@Wavelength 404.7 nm	
Transmission, Visible	73 %	73 %	Internal transmittance of 79% from 690-700 nm.
	@Wavelength 690 - 700 nm	@Wavelength 690 - 700 nm	
IR Transmittance	75 %	75 %	Internal transmittance of 82% from 2300-2600 nm.
	@Wavelength 2100 - 2600 nm	@Wavelength 2100 - 2600 nm	
UV Transmittance	66 %	66 %	Internal transmittance of 72% at 390 nm.
	@Wavelength 390 nm	@Wavelength 390 nm	

Reflection Coefficient, Visible (0-1) Optical Properties	0.92 Metric	0.92 English	Comments
Chemical Properties	Metric	English	Comments
Acid Class, SR	3.4	3.4	
Alkali Class, AR	2	2	
Stain Resistance Class, FR	1	1	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China