

Schott NG12 Neutral Density Filter

Category : Ceramic , Glass , Filter , Optical

Material Notes:

Ionically colored glass. Data provided by the manufacturer, Schott Glas Mainz..Similar glasses include NG3, NG4, NG5, NG9, NG10, NG11, NG 1

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-NG12-Neutral-Density-Filter.php

Physical Properties	Metric	English	Comments
Density	2.34 g/cc	0.0845 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	5.90 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.28 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
	6.40 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.56 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	460 $\text{Å}^\circ\text{C}$	860 $\text{Å}^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.48	1.48	Hg
	@Wavelength 1014 nm	@Wavelength 1014 nm	
	1.49	1.49	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
	1.50	1.50	Hg
	@Wavelength 404.7 nm	@Wavelength 404.7 nm	
Transmission, Visible	89 %	89 %	Internal transmittance of 95-96% from 430-700 nm.
	@Wavelength 460 - 700 nm	@Wavelength 460 - 700 nm	
IR Transmittance	86 %	86 %	Internal transmittance of 92-93% from 1400-2300 nm.
	@Wavelength 1400 - 2300 nm	@Wavelength 1400 - 2300 nm	
UV Transmittance	≤ 1.0 %	≤ 1.0 %	
	@Wavelength 200 - 310 nm	@Wavelength 200 - 310 nm	

Optical Properties	Metric	English	Comments
	@Wavelength 390 nm	@Wavelength 390 nm	Internal transmittance of 93% at 390 nm
Reflection Coefficient, Visible (0-1)	0.93	0.93	

Chemical Properties	Metric	English	Comments
Acid Class, SR	51.4	51.4	
Alkali Class, AR	2	2	
Stain Resistance Class, FR	4	4	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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