

Schott UG11 Band Pass Filter

Category : Ceramic , Glass , Optical , Filter

Material Notes:

Ionically colored glass. Data provided by the manufacturer, Schott Glas Mainz.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-UG11-Band-Pass-Filter.php

Physical Properties	Metric	English	Comments
Density	2.92 g/cc	0.105 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	7.80 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	4.33 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
	9.00 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	5.00 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	545 $\text{Å}^\circ\text{C}$	1010 $\text{Å}^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.56	1.56	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
	1.59	1.59	Hg
	@Wavelength 365 nm	@Wavelength 365 nm	
Transmission, Visible	$\leq 1.0\%$	$\leq 1.0\%$	
	@Wavelength 400 - 680 nm	@Wavelength 400 - 680 nm	
IR Transmittance	20 %	20 %	Internal transmittance of 22% at 700 nm
	@Wavelength 700 nm	@Wavelength 700 nm	
IR Transmittance	26 %	26 %	Internal transmittance of 28% at 720 nm.
	@Wavelength 720 nm	@Wavelength 720 nm	
UV Transmittance	$\leq 0.060\%$	$\leq 0.060\%$	
	@Wavelength 200 - 240 nm	@Wavelength 200 - 240 nm	
	84 %	84 %	

Optical Properties	Metric @ Wavelength 320 - 340 nm	English @ Wavelength 320 - 340 nm	Comments Internal transmittance of 93% at 330 nm
Reflection Coefficient, Visible (0-1)	0.91	0.91	

Chemical Properties	Metric	English	Comments
Acid Class, SR	3	3	
Alkali Class, AR	2.2	2.2	
Stain Resistance Class, FR	0.0	0.0	

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