

Schott BG3 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-BG3-Band-Pass-Filter.php

Physical Properties	Metric	English	Comments
Density	2.56 g/cc	0.0925 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	8.80 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	4.89 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $^\circ\text{C}$	@Temperature -22.0 - 158 $^\circ\text{F}$	
	10.2 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	5.67 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 - 300 $^\circ\text{C}$	@Temperature 68.0 - 572 $^\circ\text{F}$	
Transformation Temperature, Tg	478 $^\circ\text{C}$	892 $^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.50	1.50	Hg
	@Wavelength 1014 nm	@Wavelength 1014 nm	
	1.51	1.51	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
	1.52	1.52	Hg
	@Wavelength 435.8 nm	@Wavelength 435.8 nm	
	1.55	1.55	Hg
	@Wavelength 302.1 nm	@Wavelength 302.1 nm	
Transmission, Visible	$\leq 1.0\%$	$\leq 1.0\%$	
	@Wavelength 510 - 6801 nm	@Wavelength 510 - 6801 nm	
	87 %	87 %	Internal transmittance of 95% at 400 nm
	@Wavelength 400 nm	@Wavelength 400 nm	
IR Transmittance	91 %	91 %	Internal transmittance of 99% from

Optical Properties	Metric @Wavelength 750 - 900 nm	English @Wavelength 750 - 900 nm	750-900 nm. Comments
UV Transmittance	<= 0.0060 %	<= 0.0060 %	
	@Wavelength 200 - 250 nm	@Wavelength 200 - 250 nm	
	91 %	91 %	Internal transmittance of 99% from 340-370 nm
	@Wavelength 340 - 370 nm	@Wavelength 340 - 370 nm	
Reflection Coefficient, Visible (0-1)	0.92	0.92	

Chemical Properties	Metric	English	Comments
Acid Class, SR	1	1	
Alkali Class, AR	1	1	
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