

Schott BG39 Band Pass Filter

Category : Ceramic , Glass , Filter , Optical

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-BG39-Band-Pass-Filter.php

Physical Properties	Metric	English	Comments
Density	2.73 g/cc	0.0986 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	11.6 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	6.44 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
CTE, linear	13.1 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	7.28 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	321 $\text{Å}^\circ\text{C}$	610 $\text{Å}^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.54	1.54	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
Refractive Index	1.55	1.55	Hg
	@Wavelength 404.7 nm	@Wavelength 404.7 nm	
Transmission, Visible	$\leq 1.0\%$	$\leq 1.0\%$	
	@Wavelength 660 - 700 nm	@Wavelength 660 - 700 nm	
Transmission, Visible	88 %	88 %	Internal transmittance of 97% from 490-520 nm
	@Wavelength 480 - 520 nm	@Wavelength 480 - 520 nm	
IR Transmittance	79 %	79 %	Internal transmittance of 87% at 2200 nm.
	@Wavelength 2200 nm	@Wavelength 2200 nm	
UV Transmittance	$\leq 4.0\%$	$\leq 4.0\%$	
	@Wavelength 200 - 320 nm	@Wavelength 200 - 320 nm	
	77 %	77 %	

Optical Properties	Metric @ Wavelength 390 nm	English @ Wavelength 390 nm	Comments Internal transmittance of 85%at 390 nm
Reflection Coefficient, Visible (0-1)	0.91	0.91	

Chemical Properties	Metric	English	Comments
Acid Class, SR	5.1	5.1	
Alkali Class, AR	3	3	
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