

Schott UG5 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-UG5-Band-Pass-Filter.php

Physical Properties	Metric	English	Comments
Density	2.85 g/cc	0.103 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	8.10 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	4.50 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
	9.40 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	5.22 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	462 $\text{Å}^\circ\text{C}$	864 $\text{Å}^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.53	1.53	Hg
	@Wavelength 1014 nm	@Wavelength 1014 nm	
	1.54	1.54	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
1.56	@Wavelength 365 nm	@Wavelength 365 nm	Hg
@Wavelength 253.7 nm	@Wavelength 253.7 nm		
Transmission, Visible	$\leq 10\%$	$\leq 10\%$	
	@Wavelength 500 - 650 nm	@Wavelength 500 - 650 nm	
66 %	@Wavelength 690 nm	@Wavelength 690 nm	Internal transmittance of 73% at 690 nm
IR Transmittance			

Optical Properties	@Wavelength 720 nm Metric	@Wavelength 720 nm English	Comments
UV Transmittance	<= 6.0 %	<= 6.0 %	
	@Wavelength 200 - 220 nm	@Wavelength 200 - 220 nm	
	89 %	89 %	Internal transmittance of 98% from 320-360 nm
	@Wavelength 320 - 360 nm	@Wavelength 320 - 360 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	
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