Schott BG38 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-BG38-Band-Pass-Filter.php

Physical Properties	Metric	English	Comments
Density	2.62 g/cc	0.0947 lb/inÂ³	

Thermal Properties	Metric	English	Comments
CTE, linear	7.50 Âµm/m-Â°C @Temperature -30.0 - 70.0 Â°C	4.17 Âµin/in-Â°F @Temperature -22.0 - 158 Â°F	
	8.90 Âµm/m-Â°C @Temperature 20.0 - 300 Â°C	4.94 Âµin/in-Â°F @Temperature 68.0 - 572 Â°F	
Transformation Temperature, Tg	466 Â°C	871 Â°F	

Optical Properties	Metric	English	Comments
Refractive Index	1.53 @Wavelength 587.6 nm	1.53 @Wavelength 587.6 nm	He
	1.54 @Wavelength 404.7 nm	1.54 @Wavelength 404.7 nm	Hg
Transmission, Visible	27 % @Wavelength 690 nm	27 % @Wavelength 690 nm	
	90 % @Wavelength 450 - 530 nm	90 % @Wavelength 450 - 530 nm	Internal transmittance of 98% from 450-530 nm
IR Transmittance	79 % @Wavelength 2000 - 2100 nm	79 % @Wavelength 2000 - 2100 nm	Internal transmittance of 86% from 2000-2100 nm.
UV Transmittance	<= 0.60 % @Wavelength 200 - 300 nm	<= 0.60 % @Wavelength 200 - 300 nm	
	87 %	87 %	

Optical Properties	Metric	English	Comments
	@Wavelength 390 nm	@Wavelength 390 nm	Internal transmittance of 95% at 390 nm
Reflection Coefficient, Visible (0-1)	0.92	0.92	

Chemical Properties	Metric	English	Comments
Acid Class, SR	2	2	
Alkali Class, AR	2	2	
Stain Resistance Class, FR	0.0	0.0	

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