Schott BG25 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-BG25-Band-Pass-Filter.php

Physical Properties	Metric	English	Comments
Density	2.56 g/cc	0.0925 lb/in³	

Thermal Properties	Metric	English	Comments
CTE, linear	8.70 µm/m-°C @Temperature -30.0 - 70.0 °C	4.83 µin/in-°F @Temperature -22.0 - 158 °F	
	10.1 µm/m-°C @Temperature 20.0 - 300 °C	5.61 µin/in-°F @Temperature 68.0 - 572 °F	
Transformation Temperature, Tg	487 °C	909 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.53 @Wavelength 404.7 nm	1.53 @Wavelength 404.7 nm	Hg
Transmission, Visible	<= 1.0 % @Wavelength 540 - 680 nm	<= 1.0 % @Wavelength 540 - 680 nm	
	88 % @Wavelength 400 nm	88 % @Wavelength 400 nm	Internal transmittance of 96% at 400 nm
IR Transmittance	77 % @Wavelength 2500 - 2600 nm	77 % @Wavelength 2500 - 2600 nm	Internal transmittance of 84% from 2500-2600 nm.
UV Transmittance	<= 1.0 % @Wavelength 200 - 300 nm	<= 1.0 % @Wavelength 200 - 300 nm	
	89 % @Wavelength 390 nm	89 % @Wavelength 390 nm	Internal transmittance of 97% at 390 nm
Reflection Coefficient, Visible (0-1)	0.92	0.92	

Optical Properties	Metric	English	Comments
Chemical Properties	**Metric**	**English**	**Comments**
Acid Class, SR	1	1	
Alkali Class, AR	1	1	
Stain Resistance Class, FR	0.0	0.0	

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