Schott FG3 Conversion Filter

Category : Ceramic , Glass , Filter , Optical

Material Notes:

Ionically colored glass. Data provided by the manufacturer, Schott Glas Mainz..Similar glasses include BG34, FG13

Order this product through the following link:
http://www.lookpolymers.com/polymer_Schott-FG3-Conversion-Filter.php

Physical Properties	Metric	English	Comments
Density	2.37 g/cc	0.0856 lb/inÂ³	

Thermal Properties	Metric	English	Comments
CTE, linear	5.40 Âµm/m-Â°C @Temperature -30.0 - 70.0 Â°C	3.00 Âµin/in-Â°F @Temperature -22.0 - 158 Â°F	
	6.00 Âµm/m-Â°C @Temperature 20.0 - 300 Â°C	3.33 Âµin/in-Â°F @Temperature 68.0 - 572 Â°F	
Transformation Temperature, Tg	564 Â°C	1050 Â°F	

Optical Properties	Metric	English	Comments
Refractive Index	1.50 @Wavelength 480 nm	1.50 @Wavelength 480 nm	Cd
	1.50 @Wavelength 587.6 nm	1.50 @Wavelength 587.6 nm	He
	1.50 @Wavelength 706.5 nm	1.50 @Wavelength 706.5 nm	He
	1.51 @Wavelength 435.8 nm	1.51 @Wavelength 435.8 nm	Hg
Transmission, Visible	89 % @Wavelength 400 nm	89 % @Wavelength 400 nm	Internal transmittance of 97% at 400 nm.
IR Transmittance	92 % @Wavelength 760 - 850 nm	92 % @Wavelength 760 - 850 nm	Internal transmittance of 100% Â from 760-850 nm.
UV Transmittance	<= 5.0 %	<= 5.0 %	

Optical Properties	Metric	English	Comments
	@Wavelength 200 - 280 nm	@Wavelength 200 - 280 nm	
	89 % @Wavelength 360 - 390 nm	89 % @Wavelength 360 - 390 nm	Internal transmittance of 97% from 370-390 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	

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